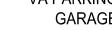
STATEMENT OF WORK

RELOCATE AND UPGRADE MATV HEADEND:

- 1. UPGRADE AND RELOCATE THE EXISTING ANALOG MATV HEAD-END EQUIPMENT CURRENTLY LOCATED IN ROOM CG43B -GROUND FLOOR. EXISTING HEAD-END EQUIPMENT WILL BE REPLACED WITH DIGITAL EQUIPMENT AND RELOCATED TO ROOM C905, 9TH FLOOR.
- REMOVE AND RELOCATE EXISTING VA OWNED MATV EQUIPMENT. EXISTING VA OWNED EQUIPMENT SHALL BE INSTALLED IN NEW MATV HEAD-END EQUIPMENT RACKS LOCATED ON 9TH FLOOR, ROOM C905.
- MODIFY EXISTING MATV DISTRIBUTION CABLING AS REQUIRED FOR RECONNECTION TO NEW MATV HEAD-END EQUIPMENT. PROVIDE NEW DISTRIBUTION CABLING IN VARIOUS AREAS.
- 4. CUT AND PATCH EXISTING CEILINGS AND FLOORS TO ACCOMMODATE HORIZONTAL ROUTING OF PIPING, CONDUIT, AND CABLING. RELOCATE AND/OR TEMPORARILY SUPPORT ALL CEILING DEVICES AS REQUIRED.
- 5. PROVIDE HVAC UPGRADES TO NEW MATV HEAD-END **EOUIPMENT ROOM C905.**
- 6. PROVIDE ELECTRICAL UPGRADES TO NEW MATY HEAD-END EQUIPMENT ROOM (ROOM C905) LOCATED ON 9TH FLOOR.

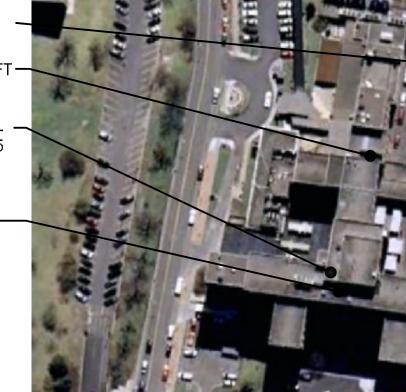
PHASING NOTES

- 1. INTENT IS TO INSTALL NEW EQUIPMENT WHILE EXISTING REMAINS IN SERVICE. SYSTEM CHANGEOVER MUST OCCUR ONLY ON WEEKEND OR AFTER 5PM MONDAY THROUGH FRIDAY DEPENDING ON TIME REQUIRED TO MAKE CHANGEOVER. COORDINATE WITH VA COR PRIOR TO COMMENCING ANY WORK.
- 2. CABLING REMOVALS FROM THE GROUND FLOOR CORRIDOR MUST OCCUR ON WEEKENDS OR AFTER 5PM MONDAY THRU FRIDAY.



GROUND FLOOR, MECHANICAL SHAFT #4 AND 9TH FLOOR WORK AREAS

MECHANICAL







Department of Veterans Affairs 800 Irving Avenue Syracuse, NY 13210

PROJECT NO. 528A7-11-707

RELOCATE AND UPGRADE MATV HEADEND

INDEX

GENERAL

COVER SHEET

NINTH FLOOR MECHANICAL DEMOLITION PLAN

NINTH FLOOR MECHANICAL RENOVATION PLAN

ELECTRICAL

ES-506

ELECTRICAL GENERAL INFORMATION GROUND FLOOR ELECTRICAL PLANS TENTH FLOOR & ROOF ELECTRICAL PLANS NINTH FLOOR ELECTRICAL RENOVATION PLAN

ROOM C905 ELECTRICAL RENOVATION PLANS EXISTING MATV SYSTEM ONE-LINE DIAGRAM -

DEMOLITION

MATV SYSTEM ONE-LINE DIAGRAM - RENOVATION SCI BUILDING MATV SYSTEM ONE-LINE DIAGRAMS

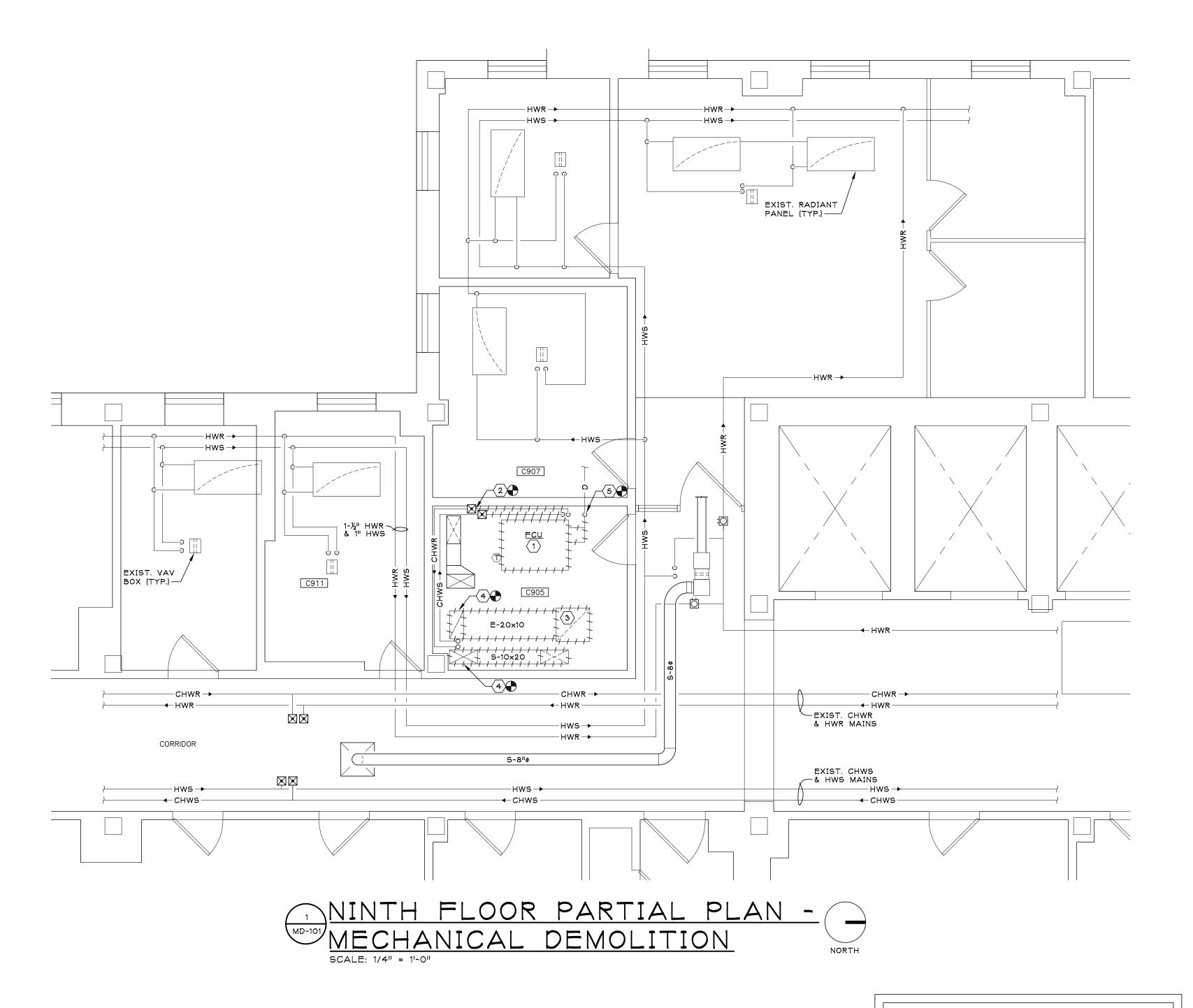
MATV SYSTEM ONE-LINE DIAGRAM - HEADEND

ELECTRICAL DETAILS & DIAGRAMS ELECTRICAL DETAILS & SCHEDULES

GENERAL NOTES:

- 1. THE BUILDING WILL REMAIN OCCUPIED AND OPERATIONAL 24 HOURS PER DAY, 7 DAYS PER WEEK, FOR THE DURATION OF PROJECT.
- 2. ALL NOISE GENERATING WORK (CUTTING, DRILLING, HAMMERING, ETC.) SHALL BE COORDINATED WITH VA COR PRIOR TO COMMENCING WORK.
- 3. ALL SPACES, STAIRWAYS, CORRIDORS AND ELEVATORS SHALL BE TEMPORARILY PROTECTED WHEN USED FOR THE TRANSPORTATION OF MATERIALS INTO OR OUT OF THE WORK AREAS. PROVIDE PLASTIC SHEATHING, PROTECTIVE FLOOR COVERINGS, SIGNAGE AND BARRIERS AS REQUIRED TO PROTECT THE EXISTING BUILDING ELEMENTS AS WELL AS THE PATIENTS, VISITORS AND HOSPITAL STAFF.
- PRIOR TO CONSTRUCTION, CONTRACTOR SHALL SUBMIT AND OBTAIN APPROVAL FOR A PLAN THAT INDICATES ROUTING OF EQUIPMENT THROUGH THE BUILDING AND DETAILS PROTECTIVE MEASURES TO BE
- SAFETY PLAN TO BE SUBMITTED BY CONTRACTOR AND APPROVED BY VA SAFETY OFFICER PRIOR TO ANY ROOF WORK.
- CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES IN EACH SPACE WITH THE COR WITH AT LEAST 10 DAYS IN ADVANCE OF WORK.
- CONTRACTORS ARE STRONGLY ENCOURAGED TO BECOME FAMILIAR WITH THE SPECIFIC WORK AREAS PRIOR TO BIDDING IN ORDER TO ACCOUNT FOR RIGGING, STAGING AND SITE-ACCESS RESTRICTIONS.
- COORDINATE ALL STORAGE, STAGING AND SITE ACCESS WITH THE CONTRACTING OFFICER PRIOR TO CONSTRUCTION.
- WHERE DUST PRODUCING WORK IS PERFORMED, ALL SURFACES WITHIN SAID SPACE SHALL BE COVERED BY 4 MIL PLASTIC, SURROUNDING SPACES SHALL BE ISOLATED BY TEMPORARY PLASTIC CURTAINS AND HEPA FILTERED NEGATIVE AIR WITHIN WORKING SPACE SHALL BE UTILIZED.
- REFER TO DRAWINGS AND SPECIFICATIONS FOR DETAILS OF ALL SCOPE ITEMS.

	CONCILITANTS:	ARCHITECT/ENGINEERS:	Drawing Title	Project Title	Project Number
	CONSULTANTS:	ARCHIECI/ENGINEERS:	PROFESSIONAL COVER SHEET	RELOCATE AND UPGRADE	528A7-11-707
		IPD: Engineering	J. Cos y	MATV HEADEND	Building Number
		INTEGRATED PROJECT DELIVERY	Approved: Project Director	Location	Drawing Number ★ \<
		ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185	10.08552 NO.08552 NO.	SYRACUSE VAMC Date Checked Drawn	GI-001
Revisions:		IPD PROJECT No: 12-7260-8		11/08/2012 SBG CA	



KEYED NOTES:

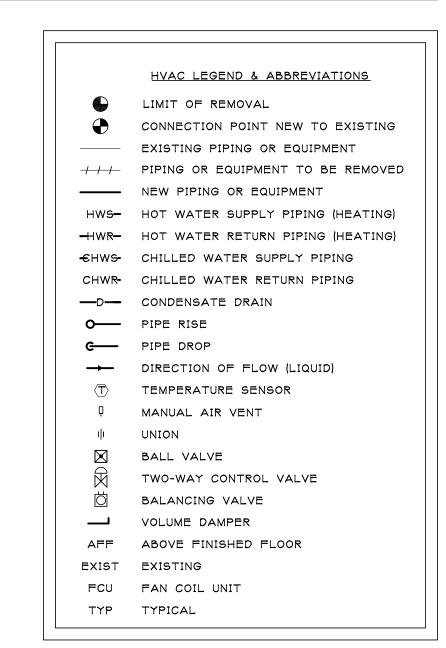
- 1 REMOVE EXISTING FAN COIL INCLUDING ALL ASSOCIATED SUPPORTS, CONTROLS AND APPURTENANCES.
- REMOVE EXISTING %" CHWS & CHWR BACK TO EXTENT SHOWN AND PREPARE FOR CONNECTION TO
- (3) REMOVE EXISTING EXHAUST FAN INCLUDING ALL ASSOCIATED SUPPORTS, CONTROLS AND APPURTENANCES.
- 4 REMOVE EXISTING 20x10 DUCTWORK BACK TO 10TH FLOOR MECHANICAL ROOM. PATCH AND REPAIR REMAINING EXTERIOR WALL PENETRATIONS TO MATCH ADJACENT FINISH AND CONSTRUCTION.
- (5) REMOVE EXISTING SECONDARY DRAIN PAN AND ALL CONDENSATE PIPING BACK TO EXTENT SHOWN AND PREPARE REMAINING DRAIN PIPING FOR CONNECTION TO NEW.

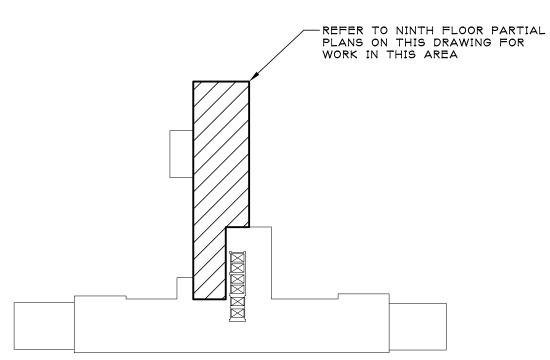
GENERAL NOTES:

- DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT; HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFICALLY SPECIFIED TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, CODE COMPLIANT, TESTED AND OPERATIONAL.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION.
- 3. ALL MATERIALS, EQUIPMENT, METHODS OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
- 4. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE ALL TRADES OF THIS CONTRACT AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. ALL WORK IN THIS SET TO BE COMPLETED UNDER THIS CONTRACT,
- 5. PROTECT ALL EXISTING AND NEW BUILDING ELEMENTS FROM DAMAGE. CONTRACTOR SHALL RESTORE ALL DAMAGED ELEMENTS TO ORIGINAL OR BETTER
- 6. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS.
- MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. MAINTAIN MANUFACTURER'S EQUIPMENT CLEARANCES.
- 8. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATED TO ISOLATING, SHUTTING DOWN, DRAINING, FILLING AND TESTING SYSTEMS TO ALLOW FOR COMPLETION OF WORK, INTERRUPTIONS TO EXISTING SERVICES AND SYSTEMS SHALL BE AS SHORT AS POSSIBLE AND AT A TIME AND DURATION APPROVED BY THE OWNER AND UTILITY AS APPLICABLE, INCLUDE ALL PREMIUM TIME ASSOCIATED WITH INTERRUPTIONS. ALL SYSTEM INTERRUPTIONS SHALL BE SCHEDULED WITH OWNER, UTILITY AND COORDINATED WITH OTHER TRADE WORK.
- 9. ALL EQUIPMENT PIPING, WIRING, INSULATION ETC. INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- 10. SEAL ALL PENETRATIONS THROUGH FIRE RATED WALLS, PARTITIONS AND FLOORS WITH UL RATED MATERIALS/METHODS EQUIVALENT TO FIRE RATING OF ASSEMBLY.
- 11. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS/DOORS SHALL BE A MINIMUM OF

12"x12", UNLESS OTHERWISE NOTED.

12. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. ALL SUPPORT SHALL BE FROM BUILDING STRUCTURE OR FROM CEILING SUSPENSION SYSTEM WHICH HAS BEEN REINFORCED. SUPPORTS SHALL BE SELECTED AND INSTALLED TO PROVIDE A VIBRATION FREE INSTALLATION.





NINTH FLOOR KEY PLAN SCALE: NONE



Project Number

528A7-11-707

		CONSULTANTS:	ARCHITECT/ENGINEERS:
			IPD: Engineering
			ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185
Revisions:	Date		IPD PROJECT No: 12-7260-8

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	Drawing Title
l	NINTH FLOOR
	MECHANICAL DEMOLITION PLAN
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Approved: Project Director

Project Title **RELOCATE AND UPGRADE**

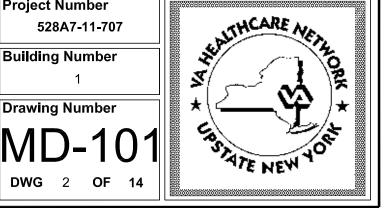
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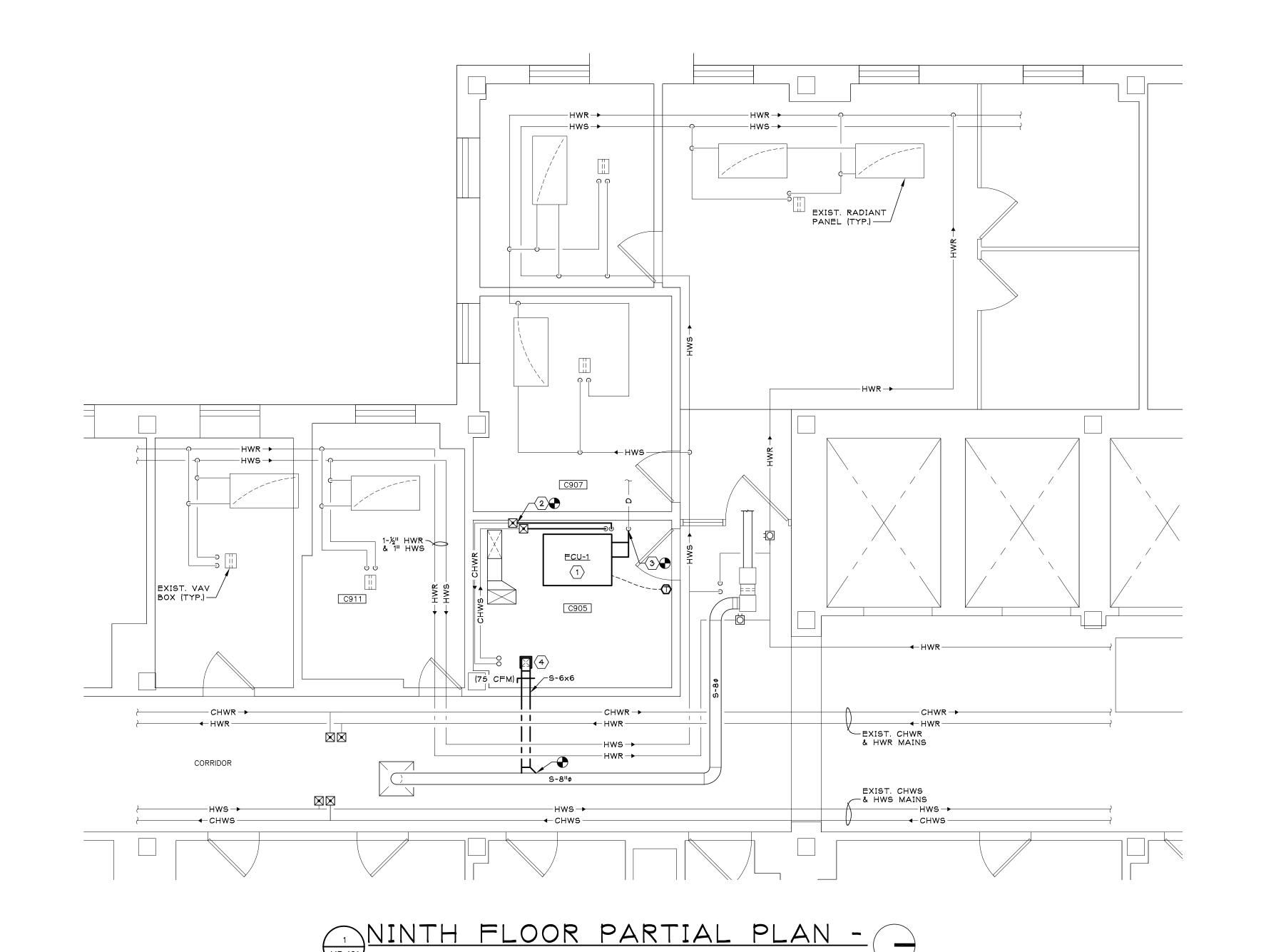
MATV HEADEND

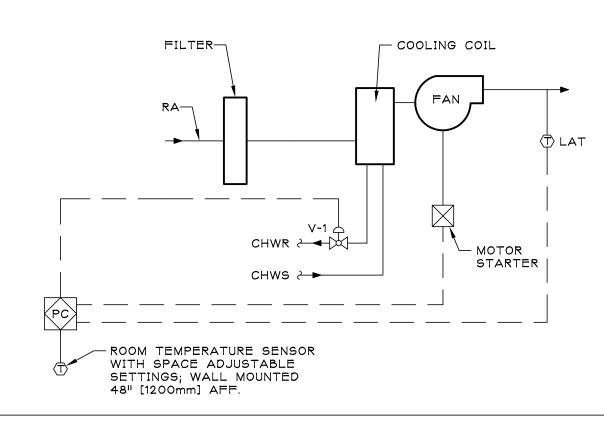
Drawing Number Location SYRACUSE VAMC Checked

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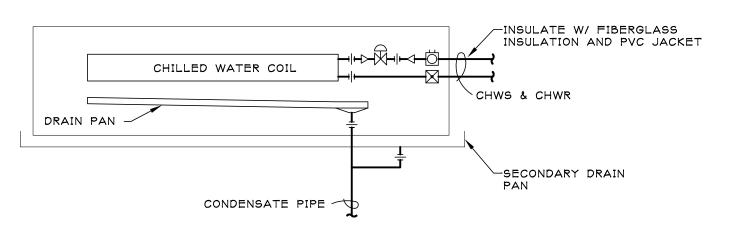




PROVIDE THE FOLLOWING FAN COIL SEQUENCE OF OPERATION

- 1. BETWEEN THE RANGE OF 70-75F SPACE TEMPERATURE, V-1 SHALL BE CLOSED, FAN
- 2. UPON RISE IN TEMPERATURE ABOVE 75F, CYCLE FAN ON AND MODULATE V-1 OPEN TO MAINTAIN 75 F.
- 3. FAN STATUS SHALL BE MONITORED AND AN ALARM MESSAGE SHALL BE GENERATED IN THE EVENT THE UNIT FAILS TO RUN.
- 4. PROVIDE LEAK DETECTION WITHIN SECONDARY DRAIN PAN. AN ALARM SHALL BE GENERATED IN THE EVENT A LEAK HAS BEEN DETECTED.

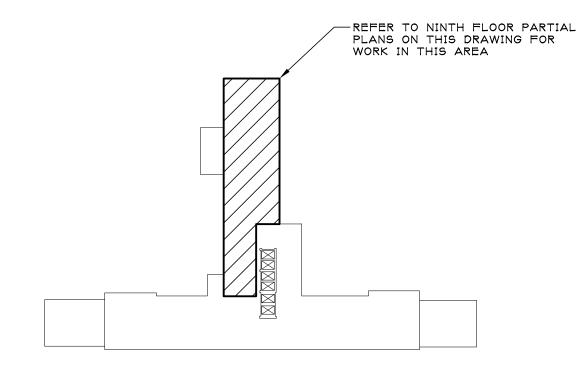
FAN COIL UNIT CONTROLS



FAN COIL UNIT PIPING CONNECTIONS

KEYED NOTES:

- INSTALL <u>FCU-1</u> IN LOCATION OF PREVIOUS FCU AT 8'-O" AFF. PROVIDE ALL REQUIRED MOUNTING SUPPORTS AND BRACKETS.
- (2) CONNECT NEW 3/4" CHWS & CHWR TO EXISTING IN LOCATION SHOWN.
- 3 INSTALL NEW SECONDARY DRAIN PAN WITH LEAK DETECTION. CONNECT NEW DRAIN PIPING TO EXISTING IN LOCATION SHOWN. ALL NEW AND EXISTING DRAIN PIPING WITHIN WORK AREA SHALL BE INSULATED WITH ½" ARMAFLEX INSULATION.
- 4 EXTEND NEW S-6x6 DUCT FROM EXISTING HVAC SYSTEM WITH 8x8 TITUS MODEL 300 RL (OR APPROVED EQUAL) SUPPLY GRILLE BALANCED TO 75



	INSULATION SCHEDULE											
	TYPE JACKETING CLASS							THICKNESS (IN)				
DESIGNATION	EQUIPMENT OR		ITPE		JAC	JACKETING CLASS			NOMINAL PIPE SIZE (IN)			
	SYSTEM SERVED	INTERIOR CONCEALED	INTERIOR EXPOSED	EXTERIOR	INTERIOR GENERAL	EQUIPMENT ROOMS	EXTERIOR	.5 - 1.5	2 - 4	5 - 6	8 & UP	
^	CHWS, CHWR	FG			1			1.5	1.5	1.5	1.5	
Α	CHANG, CHANK		FC		1	1		1.5	1.5	1.5	1.5	

(A) FG - - FIBROUS GLASS

(B) 0 - - NONE 1 - - ALL SERVICE

FAN COIL UNIT (FCU) SCHEDULE **COOLING COIL** RATED **FLUID CONDITIONS** MAX. SUPPLY | MOTOR | RATED TOTAL MCA BASIS OF DESIGN REMARKS SENSIBLE AIR FLOW POWER CAPACITY PHASE / HZ | FLOW | EWT | P. DROP CAPACITY (WATTS) (CFM) (MBH) (GPM) (°F) (FT H2O) (MBH) FCU-1 160 30.3 21.3 45 5.1 115/1/60 6.97 TRANE FCD 120 1,2,3,4 920

- 1. PROVIDE UNIT WITH FACTORY INSTALLED 2-WAY CONTROL VALVE.
- 2. PROVIDE UNIT WITH FACTORY MOUNTED DISCONNECT SWITCH WITH THERMAL OVERLOAD PROTECTION.
- 3. UNIT SHALL BE HORIZONTAL CABINET, STANPED LOUVER DISCHARGE AND STAMPED LOUVER RETURN.
- 4. COOLING EAT: 80F DB/67F WB.

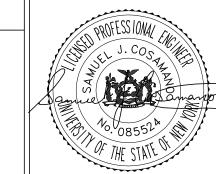
NINTH FLOOR KEY PLAN SCALE: NONE

FLOOR NOVATION PLAN		AND UPGRAD HEADEND)E	Project Number 528A7-11-707 Building Number 1	STATTICARE NEW
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CONSULTANTS:	ARCHITECT/ENGINEERS:
	IDD: Engine exing
	IPD: Engineering

ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185 IPD PROJECT No: 12-7260-8

MECHANICAL RENOVATION



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Drawing Title **MECHANICAL REN** Project Director

11/08/2012 SBG

NCB **DWG** 3 **OF** 14



GENERAL DEMOLITION NOTES:

- DEMOLITION DRAWINGS ARE BASED ON FIELD OBSERVATION. REPORT ANY CONFLICTS TO THE ENGINEER BEFORE DISTURBING EXISTING EQUIPMENT.
- 2. VERIFY SCOPE OF WORK: CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE SCOPE OF THE WORK, AND TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS THAT WILL AFFECT THEIR WORK AND, THEREFORE, THEIR BID.
- 3. UNLESS NOTED OTHERWISE, EXISTING ELECTRICAL EQUIPMENT SHOWN ON THESE PLANS ARE A PART OF CONTRACT. TO MAINTAIN DRAWING CLARITY NOT ALL EXISTING ELECTRICAL EQUIPMENT HAS BEEN SHOWN. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT/ ENGINEER OF ANY CONFLICTS.
- 4. UNLESS NOTED OTHERWISE, REMOVE ALL ELECTRICAL ITEMS SHOWN ON THESE PLANS AS INDICATED BY CROSS HATCHED LINES AND KEYED NOTES.
- 5. UNLESS NOTED OTHERWISE, DEMOLITION OF ELECTRICAL EQUIPMENT/DEVICES INCLUDES REMOVAL OF CIRCUITRY BACK TO ASSOCIATED SOURCE/PANEL. THIS INCLUDES REMOVAL OF THE DEVICE, WIRING, CONDUIT, BOXES, CONTROL DEVICES, ETC.
- 6. WHERE POSSIBLE, EXISTING CONDUITS/RACEWAYS (ASSOCIATED WITH REMOVED EQUIPMENT AND WIRING) MAY BE RE-USED FOR NEW CIRCUITING. EXISTING CONDUITS/RACEWAYS MUST BE IN GOOD CONDITION, AND IN COMPLIANCE WITH NEC/SPECIFICATION REQUIREMENTS. NOTIFY ENGINEER PRIOR TO REUSING.
- 7. EXISTING CIRCUIT BREAKERS ASSOCIATED WITH ELECTRICAL EQUIPMENT SCHEDULED FOR DEMOLITION SHALL REMAIN FOR SPARES UNLESS REMOVAL IS REQUIRED TO MAKE ADDITIONAL SPACE (IN EXISTING PANELBOARDS) FOR NEW CIRCUIT BREAKERS.
- 8. PRIOR TO DEMOLITION WORK WALK-THRU PROJECT WITH VA COR TO IDENTIFY EQUIPMENT THEY WISH TO RETAIN. REMOVE ALL UNUSED EXISTING EQUIPMENT WHERE ACCESSIBLE AND OFFER ALL SALVAGE MATERIAL TO THE VA COR. VA COR SHALL HAVE FIRST RIGHT OF REFUSAL, OR ACCEPTANCE, OF ALL SALVAGEABLE EQUIPMENT REMOVED FROM THE BUILDING. DELIVER, IN GOOD CONDITION, THE EXISTING EQUIPMENT THE VA COR WISHES TO RETAIN, TO ONSITE LOCATION DESIGNATED BY VA COR. THE EQUIPMENT NOT CLAIMED BY THE VA COR SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIAL, NOT RETAINED BY THE VA COR, IN A LAWFUL AND LEGAL MANNER AWAY FROM THE SITE.
- 9. MAINTAIN THE ELECTRICAL INTEGRITY OF ALL EXISTING BRANCH CIRCUITS INTERRUPTED BY REMOVAL WORK. PROVIDE ALL WIRING, CONDUIT, AND HARDWARE REQUIRED TO MAINTAIN CONTINUITY OF ELECTRICAL EQUIPMENT REMAINING ON EXISTING BRANCH CIRCUITS NOT BEING COMPLETELY REMOVED OR OUTSIDE WORK THE WORK AREA.
- 10. REMOVE EXISTING ELECTRICAL DEVICES, BOX(ES) AND RACEWAYS LOCATED ON OR IN WALLS SCHEDULED FOR
- 11. EXISTING ELECTRICAL DEVICE BOX(ES) AND RACEWAYS LOCATED ON OR IN WALLS, NOT SCHEDULED FOR REMOVAL SHALL REMAIN FOR RE-USE. EXPOSED RACEWAYS AND BOXES, FOLLOWING DEMOLITION WORK, SHALL BE REMOVED AND ROUTED CONCEALED BEHIND FINISHED SURFACES.
- 12. PROVIDE BLANK COVER PLATE(S) FOR EXISTING ELECTRICAL BOX(ES) WHICH REMAIN AFTER REMOVALS AND ARE NOT BEING USED FOR NEW DEVICES. PAINT COVERPLATE TO MATCH ADJACENT SURFACES.
- 13. WHERE REMOVALS OCCUR ON SERVICES THAT ARE TO REMAIN IN OPERATION, CAP OR OTHERWISE TERMINATE THE REMAINING SERVICES BENEATH FINISHED SURFACES.
- 14. ALL CONDUITS STUBBED THRU FLOOR SERVING ITEMS TO BE REMOVED, AND NOT SHOWN OR REQUIRED TO BE REUSED, SHALL BE CUT OFF FLUSH, SLAB LEVEL WITH CONCRETE.
- 15. CAREFULLY REMOVE AND STORE ALL EQUIPMENT TO BE REUSED IN A SAFE PLACE UNTIL READY FOR REINSTALLATION. CLEAN MATERIALS BEFORE REINSTALLATION AND ENSURE EQUIPMENT IS STILL FULLY
- 16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OR RELOCATION OF ITEMS, NOT SHOWN ON THESE DRAWINGS TO ACCOMMODATE THE RENOVATIONS. CONTRACTOR SHALL INCLUDE, IN BASE BID, AN ALLOWANCE FOR UNFORESEEN CONDITIONS WHEN CONCEALED WORK IS EXPOSED CLAIMS FOR ADDITIONAL DEMOLITION WORK WILL NOT BE ACCEPTED EXCEPT FOR CERTAIN CASES CONSIDERED JUSTIFIABLE BY THE ENGINEER.

ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM NOTES:

CONTRACTOR MUST EMPLOY BER-NATIONAL CONTROLS, INC. TO PROVIDE THE FOLLOWING WORK (NO SUBSTITUTIONS):

- REMOVE EXISTING CARD READER AND CARD READER DOOR HARDWARE COMPONENTS (ELECTRIC STRIKE, POWER SUPPLY, REQUEST-TO-EXIT DEVICES, CONTACTS, ETC.) ASSOCIATED WITH ROOM CG43B.
- REINSTALL EXISTING CARD READER FOR ROOM C905 ENTRANCE DOOR.
- FURNISH AND INSTALL ALL REQUIRED ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM COMPONENTS FOR DOOR C905. ACCESS CONTROL SYSTEM COMPONENTS INCLUDE, BUT, ARE NOT LIMITED TO, EXISTING DOOR ACCESS CONTROL PANEL EXPANSION, HARDWARE SETS, REQUEST-TO-EXIT DEVICES, CONTACTS, POWER SUPPLIES, ACCESS CARDS/ KEY-FOBS, SOFTWARE, PROGRAMMING ETC.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING WORK:

- FURNISHING AND INSTALLING ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTIONS, ETC., FOR ACCESS CONTROL SYSTEM COMPONENTS PER ACCESS CONTROL SYSTEM MANUFACTURERS' WRITTEN RECOMMENDATIONS. 120V CIRCUITS ASSOCIATED WITH ACCESS CONTROL SYSTEM COMPONENTS SHALL BE CIRCUITED TO EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA' PER ACCESS CONTROL SYSTEM MANUFACTURERS' WRITTEN RECOMMENDATIONS. PROVIDE CIRCUIT BREAKERS IN EXISTING PANELBOARD 'E9AA' AS REQUIRED.
- ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTION, ETC., PROVIDE BY CONTRACTOR SHALL BE INSTALLED. UNDER THE DIRECT SUPERVISION OF A BER-NATIONAL CONTROLS, INC. REPRESENTATIVE.

THE ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH VA WRITTEN STANDARDS. COORDINATE EXACT ACCESS CONTROL SYSTEM REQUIREMENTS WITH VA COR.

BER-NATIONAL CONTROL, INC. CONTACT INFORMATION IS AS FOLLOWS: BER-NATIONAL CONTROLS, INC., JEFF BERNATOVICH, 105 ARTERIAL ROAD, SYRACUSE, NEW YORK 13206, TELEPHONE NUMBER (315) 432-1818.

DISH NETWORK SATELLITE SYSTEM NOTES:

COORDINATE EXACT MATY SYSTEM REQUIREMENTS WITH VA COR.

Date

OWNER WILL ARRANGE A DISH NETWORK REPRESENTATIVE TO PROVIDE THE FOLLOWING WORK:

- REMOVE EXISTING DISH NETWORK SATELLITE RECEIVERS & SATELLITE MULTI-SWITCHES FROM EXISTING MATV SYSTEM EQUIPMENT RACKS.
- REINSTALL EXISTING DISH NETWORK SATELLITE RECEIVERS & SATELLITE MULTI-SWITCHES INTO NEW MATV SYSTEM EQUIPMENT RACKS. ENCODE EXISTING SATELLITE RECEIVERS AS REQUIRED TO PRODUCE A DIGITAL
- PROVIDE CHANNEL PROGRAMMING UPDATES AND BALANCING OF DISH NETWORK EQUIPMENT AS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING WORK:
- FURNISHING AND INSTALLING ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTIONS, ETC., FOR MATV SYSTEM COMPONENTS PER MATV SYSTEM MANUFACTURERS' WRITTEN RECOMMENDATIONS.
- ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTION, ETC., PROVIDE BY CONTRACTOR SHALL BE INSTALLED UNDER THE DIRECT SUPERVISION OF A DISH NETWORK REPRESENTATIVE.

FOR SCHEDULING PURPOSES, NOTIFY VA COR 4 WEEKS IN ADVANCE OF ANY WORK ASSOCIATED WITH DISH NETWORK SATELLITE SYSTEM.

THE MATV SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH VA WRITTEN STANDARDS.

GENERAL RENOVATION NOTES:

- 1. UNLESS NOTED AS EXISTING OR PROVIDED BY OTHERS, CONTRACTOR SHALL PROVIDE ALL MATERIALS SHOWN ON DRAWINGS. ALL MATERIALS PROVIDED SHALL BE NEW, UNUSED CONDITION.
- 2. NOTIFY AND OBTAIN PERMISSION FROM THE VA COR 10 (TEN) DAYS IN ADVANCE OF ANY UTILITY INTERRUPTION.
- 3. REMOVE MATERIALS AS WORK PROGRESSES. UPON COMPLETION OF WORK. LEAVE AREAS IN A CLEAN CONDITION.
- 5. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE PROVIDED WITH MINIMUM DISRUPTION TO THE HOSPITAL SYSTEMS AND STAFF. CONTINUOUS OPERATION OF THE BUILDING SYSTEMS, OUTSIDE OF WORK AREA, SHALL BE MAINTAINED THROUGHOUT THE ENTIRE PROJECT. TEMPORARY SHUTDOWN OF SYSTEMS SHALL ONLY BE ALLOWED WITH WRITTEN CONSENT OF VA COR. EXISTING ALARM AND EMERGENCY SYSTEMS SHALL NOT BE DISRUPTED AT
- 6. REMOVE & REINSTALL EXISTING CONSTRUCTION (CEILINGS, LIGHTING, ELECTRICAL EQUIPMENT, FIRE ALARM DEVICES, FURNISHINGS, ETC.) AS NECESSARY TO COMPLETE THE REMOVALS & RENOVATION WORK REQUIRED BY THE DRAWINGS & SPECIFICATIONS. REPLACE ANY ITEMS DAMAGED BY OR DUE TO THIS REMOVAL & REINSTALLATION WITH NEW ITEMS TO MATCH EXISTING. (APPLIES TO AREAS WITHIN & OUTSIDE OF THE PROJECT AREA).
- 7. UNLESS NOTED OTHERWISE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING REQUIRED TO PERFORM WORK. IN ADDITION, PATCH ALL OPENINGS CREATED BY REMOVAL ACTIVITIES WHICH ARE NOT BEING UTILIZED FOR CONSTRUCTION. PATCH TO MATCH EXISTING ADJACENT SURFACES IN MATERIAL, FINISH, TEXTURE AND COLOR.
- 8. PRIOR TO ROUGH-IN FOR ANY CEILING MOUNTED ELECTRICAL DEVICE OR LIGHT FIXTURE, COORDINATE THE LOCATIONS OF SPRINKLER HEADS WITH PLUMBING CONTRACTOR. ALL CEILING MOUNTED EQUIPMENT SHALL BE MOUNTED AT A DISTANCE FROM SPRINKLER HEADS THAT MEET NFPA MINIMUM REQUIREMENTS.
- 9. INSTALL ALL CIRCUITRY PARALLEL OR PERPENDICULAR TO WALLS, FLOOR, AND CEILING.

4. COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO COMMENCING WORK.

- 10. COVERS ASSOCIATED WITH JUNCTION AND PULL BOXES SHALL BE READILY ACCESSIBLE.
- 11. PROVIDE PULL BOXES WHERE REQUIRED BY CODE AND WHERE NECESSARY FOR CONDUCTOR/CABLING INSTALLATION. PROVIDE PULL BOXES EVERY 100' FOR ALL EMPTY RACEWAY RUNS. PRIOR TO INSTALLATION OF PULL BOXES, COORDINATE WITH OTHER TRADES.
- 12. PROVIDE SEPARATE RACEWAYS AND BOXES FOR CONDUCTORS OF NORMAL AND EMERGENCY CIRCUITS.
- 13. WITH THE EXCEPTION OF ELECTRICAL CLOSETS & MECHANICAL ROOMS; ALL CONDUITS, RACEWAYS, ELECTRICAL DUCTS, CABLING & WIRING SHALL BE CONCEALED ABOVE ACCESSIBLE CEILINGS, IN WALLS, OR BENEATH FINISHED
- 14. PROVIDE PULL CORDS IN ALL CONDUITS/RACEWAYS FOR PULLING OF CABLING/WIRING.
- 15. THE USE OF TYPE AC CABLE, MC CABLE, OR FLEXIBLE METAL CONDUIT WITH CONDUCTORS IS NOT PERMITTED, EXCEPT FOR, FINAL CONNECTIONS TO LIGHT FIXTURES AND HVAC EQUIPMENT (FINAL FLEXIBLE CONNECTION LENGTH IS LIMITED TO MAXIMUM OF 6' FOR LIGHT FIXTURES). REFER TO SPECIFICATIONS FOR MINIMUM RACEWAY SIZE AND MATERIAL REQUIREMENTS.
- 16. THE USE OF SHARED NEUTRALS IN LIGHTING AND RECEPTACLE BRANCH CIRCUITS IS PROHIBITED. REFER TO SPECIFICATIONS FOR NEUTRAL CIRCUITING REQUIREMENTS.
- 17. ELECTRICAL EQUIPMENT LOCATIONS ARE APPROXIMATE. VERIFY EXACT EQUIPMENT LOCATIONS PRIOR TO FEEDER
- 18. REFER TO ELECTRICAL EQUIPMENT AND CONTROL SCHEDULE ON DRAWING ES-506 FOR HVAC/PLUMBING EQUIPMENT CIRCUITRY, CONTROLS & ADDITIONAL INFORMATION.
- 19. TO MAINTAIN DRAWING CLARITY, MOTOR CONTROL DEVICES, FOR HVAC/PLUMBING EQUIPMENT, HAVE NOT BEEN SHOWN REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ON DRAWING ES-506 FOR TYPES OF MOTOR CONTROL DEVICES REQUIRED, LOCATIONS WHERE CONTROL DEVICES ARE SCHEDULED FOR INSTALLATION, AND
- 20. MOTOR CONNECTION LOCATIONS SHOWN ARE APPROXIMATE. VERIFY EXACT LOCATIONS WITH OTHER TRADES PRIOR
- 21. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL SUPPORT HARDWARE FOR SECURELY FASTENING THE HVAC CONTROL DEVICES TO THE EXISTING SUPPORT FRAMES/BUILDING STRUCTURE. THE REQUIRED HARDWARE INCLUDES, BUT IS NOT LIMITED TO, INTERMEDIATE STEEL ANGLE, UNISTRUT, FASTENERS, JOISTS CLAMPS, ETC.
- 22. WHERE NEW CIRCUIT BREAKERS ARE REQUIRED FOR INSTALLATION IN EXISTING ELECTRICAL PANELS, CONTRACTOR SHALL PROVIDE CIRCUIT BREAKERS WHICH ARE COMPATIBLE WITH EXISTING ELECTRICAL PANELS. MATCH FRAME SIZES, KAIC RATINGS, ETC. USED, REFURBISHED OR ALTERNATE MANUFACTURER STYLES ARE UNACCEPTABLE.
- 23. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL ALTER EXISTING PANELBOARD CIRCUIT BREAKER DIRECTORIES, MOUNTED IN EXISTING PANELBOARDS, TO DESCRIBE NEW EQUIPMENT AND DEFINE THEIR CORRESPONDING CIRCUIT BREAKER PROVIDE VA COR WITH TWO COPIES OF UPDATED PANELBOARD CIRCUIT
- 24.EACH RECEPTACLE, SWITCH AND JUNCTION BOX, PROVIDED, OR ALTERED, UNDER THIS CONTRACT, SHALL BE LABELED WITH THE CORRESPONDING POWER PANEL NAME AND CIRCUIT BREAKER NUMBER. ALL LABELING SHALL BE TYPEWRITTEN USING A LABEL MAKER AND SHALL BE PERMANENTLY AFFIXED TO EACH FACEPLATE. HANDWRITTEN LABELS WILL NOT BE ACCEPTED. PRIOR TO START OF LABELING, MEET WITH VA COTR TO DETERMINE LABELING SCHEME TO BE UTILIZED. PROVIDE LABELING TO MEET VA REQUIREMENTS.
- 25.EACH COAXIAL CABLE AND RACEWAY, PROVIDED, OR ALTERED, UNDER THIS CONTRACT, SHALL BE LABELED IN ACCORDANCE WITH VA STANDARDS, ALL LABELING SHALL BE TYPEWRITTEN USING A LABEL MAKER AND SHALL BE PERMANENTLY AFFIXED TO EACH CABLE/RACEWAY, HANDWRITTEN LABELS WILL NOT BE ACCEPTED. PRIOR TO START OF LABELING, MEET WITH VA COR TO DETERMINE LABELING SCHEME TO BE UTILIZED. PROVIDE LABELING TO MEET VA REQUIREMENTS.

VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES:

- OWNER WILL ARRANGE FOR A VA EDUCATIONAL NETWORK REPRESENTATIVE TO PROVIDE THE FOLLOWING WORK: • REMOVE EXISTING VA EDUCATIONAL NETWORK SATELLITE RECEIVERS & SATELLITE MULTI-SWITCHES FROM EXISTING MATY SYSTEM EQUIPMENT RACKS.
- REINSTALL EXISTING VA EDUCATIONAL NETWORK SATELLITE RECEIVERS & SATELLITE MULTI-SWITCHES INTO NEW MATV SYSTEM EQUIPMENT RACKS. ENCODE EXISTING SATELLITE RECEIVERS AS REQUIRED TO PRODUCE A DIGITAL
- PROVIDE CHANNEL PROGRAMMING UPDATES AND BALANCING OF VA EDUCATIONAL NETWORK EQUIPMENT AS
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE FOLLOWING WORK:
- FURNISHING AND INSTALLING ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTIONS, ETC., FOR MATV SYSTEM COMPONENTS PER MATY SYSTEM MANUFACTURERS WRITTEN RECOMMENDATIONS.
- ALL WIRING, RACEWAYS, BOXES, TERMINAL CONNECTION, ETC., PROVIDE BY CONTRACTOR SHALL BE INSTALLED. UNDER THE DIRECT SUPERVISION OF A VA EDUCATIONAL NETWORK REPRESENTATIVE.

FOR SCHEDULING PURPOSES, NOTIFY VA COR 4 WEEKS IN ADVANCE OF ANY WORK ASSOCIATED WITH VA EDUCATIONAL NETWORK SATELLITE SYSTEM.

THE MATV SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH VA WRITTEN STANDARDS. COORDINATE EXACT MATV SYSTEM REQUIREMENTS WITH VA COR.

ELECTRICAL SYMBOLS

GENERAL ELECTRICAL SYMBOLS

INDICATES KEYED NOTE



CROSS HATCHED LINES. INDICATES EQUIPMENT SCHEDULED FOR DEMOLITION

SPECIAL SYSTEMS SYMBOLS

COMBINATION DATA & TELEPHONE PORT MOUNT @ 18" A.F.F., UNO

DOOR ACCESS CARD READER C905 = DOOR NUMBER ASSOCIATED WITH READER

HDTV OUTLET
REFER TO DRAWINGS FOR MOUNTING HEIGHTS

NOTE: WHEREVER THESE SYMBOLS APPEAR ON THE DRAWINGS,

NOT BEEN IDENTIFIED ON THIS LIST. REFER TO

DRAWINGS FOR EXISTING EQUIPMENT SYMBOLS,

THE ITEM SHALL BE FURNISHED AND INSTALLED BY

CONTRACTOR. SYMBOLS FOR EXISTING EQUIPMENT HAVE

DESCRIPTIONS AND WORK ASSOCIATED WITH EXISTING

POWER SYMBOLS

DUPLEX RECEPTACLE MOUNT @ 18" A.F.F., UNO

EMERGENCY DUPLEX RECEPTACLE MOUNT @ 18" A.F.F., UNO

QUAD RECEPTACLE MOUNT @ 18" A.F.F., UNO

EMERGENCY QUAD RECEPTACLE MOUNT @ 18" A.F.F., UNO

HOME RUN TO 20A/1P CB (UNO) IN PANELBOARD E9AA = PANELBOARD DESIGNATION PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR EQUIPMENT SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE, PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE

CONDUCTOR PER CIRCUIT.

BRANCH CIRCUITRY, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR SWITCHES AND EQUIPMENT AS SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE. PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE CONDUCTOR PER

UN-SWITCHED BRANCH CIRCUITRY. PROVIDE QUANTITIES OF CONDUCTORS REQUIRED, FOR EQUIPMENT AS SHOWN ON PLANS. MINIMUM TRADE SIZE CONDUCTOR SHALL BE #12 AWG. UNLESS NOTED OTHERWISE. PROVIDE GROUND WIRE AND ONE NEUTRAL WIRE PER PHASE

CONDUCTOR PER CIRCUIT.

MOTOR CONNECTION, FCU-1 = EQUIPMENT DESCRIPTION REFER TO ELECTRICAL EQUIPMENT & CONTROL SCHEDULE

SURFACE MOUNTED PANEL BOARD

ELECTRICAL ABBREVIATIONS A - AMPERE N.I.C - NOT IN CONTRACT EX - EXISTING A/C - AIR CONDITIONING EXT - EXTERIOR NTS - NOT TO SCALE FA - FIRE ALARM P - POLE ACU - AIR CONDITIONING UNIT A.F.F. - ABOVE FINISHED FLOOR FL - FLOOR PNL - PANEL FLA - FULL LOAD AMPS PRI - PRIMARY AWG - AMERICAN WIRE GUAGE FLUOR - FLUORESCENT PVC - POLYVINYL CHLORIDE SMR - SURFACE METAL RACEWAY SURF - SURFACE BMCS - BUILDING MANAGEMENT CONTROL SYSTEM GFCI - GROUND FAULT CIRCUIT INTERRUPTOR C - CONDUIT SW - SWITCH GND - GROUND CB - CIRCUIT BREAKER TEL - TELEPHONE GRS - GALVANIZED RIGID STEEL TV - TELEVISION CKT - CIRCUIT HP - HORSEPOWER TYP - TYPICAL CLG - CEILING HR - HOME RUN COR - CONTRACTING OFFICER REPRESENTATIVE HVAC - HEATING, VENTILATING & AIR CONDITIONING UNO - UNLESS NOTED OTHERWISE JB - JUNCTION BOX V - VOLT CU - COPPER VA - VETERANS AFFAIRS DEMO - DEMOLISH/DEMOLITION KVA - KILOVOLT AMPS VAC - VOLTS, ALTERNATING CURRENT DTL - DETAIL KW - KILOWATTS VDC - VOLTS, DIRECT CURRENT DWG - DRAWING LTG - LIGHTING WP - WATERPROOF EA - EACH MCA - MINIMUM CIRCUIT AMPS EC - ELECTRIC CONTRACT(OR) XFMR - TRANSFORMER MFS - MINIMUM FUSE SIZE EM - EMERGENCY NF - NON-FUSED

ELECTRICAL DEFINITIONS:

EMT - ELECTRO METALLIC TUBING

RECONNECT EXISTING CIRCUITRY = MODIFY AND EXTEND EXISTING WIRING AND CONDUITS AS REQUIRED TO RECONNECT CIRCUITRY TO ELECTRICAL DEVICE. PROVIDE NECESSARY JUNCTION BOXES, EXTENSION BOXES, SPLICES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED.

> CIRCUITRY = UNLESS NOTED OTHERWISE, CIRCUITRY INCLUDES, BUT IS NOT LIMITED TO, WIRING, OUTLETS BOXES, JUNCTION BOXES, RELAYS, WIREMOLD, SURFACE MOUNTED RACEWAY, CONDUITS, CONTROL DEVICES, ETC.

DRAWING ES-001 NOTE:

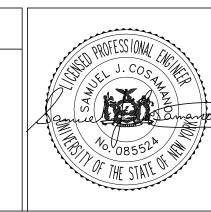
UNLESS NOTED OTHERWISE, ALL ELECTRICAL SYMBOLS, ABBREVIATIONS, SCHEDULES, NOTES, DEFINITIONS, ETC., SHOWN ON THIS DRAWING APPLY TO ALL ELECTRICAL DRAWINGS.

Project Title

Location

11/08/2012

CONSULTANTS:	ARCHITECT/ENGINEERS:
	IPD: Engineering
	ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185
	IPD PROJECT No: 12-7260-8



Drawing Title

ELECTRICAL GENERAL INFORMATION

Approved: Project Director

RELOCATE AND UPGRADE MATV HEADEND

∐ Drawn

CAL

SYRACUSE VAMC

Checked

SBG

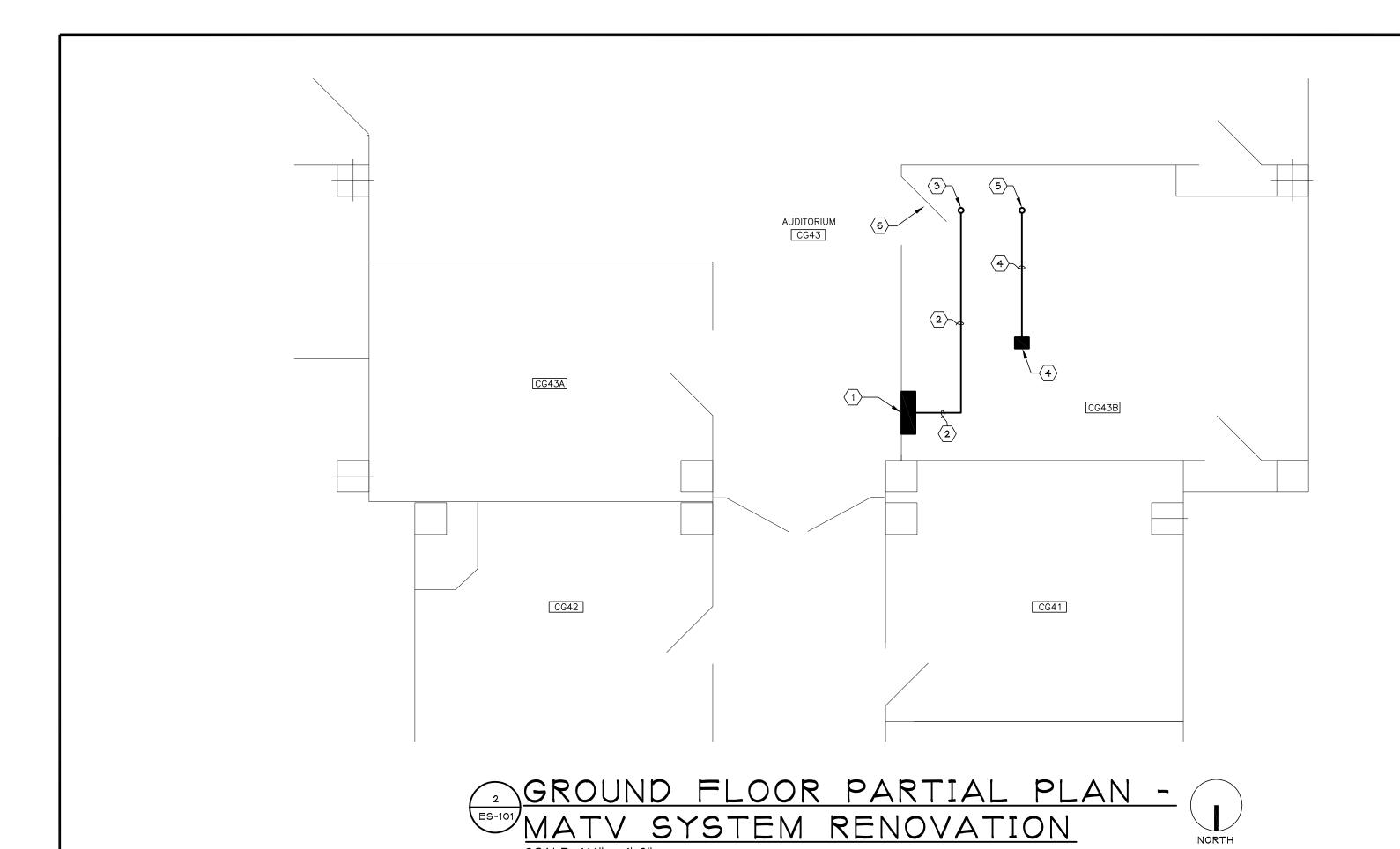
Drawing Number

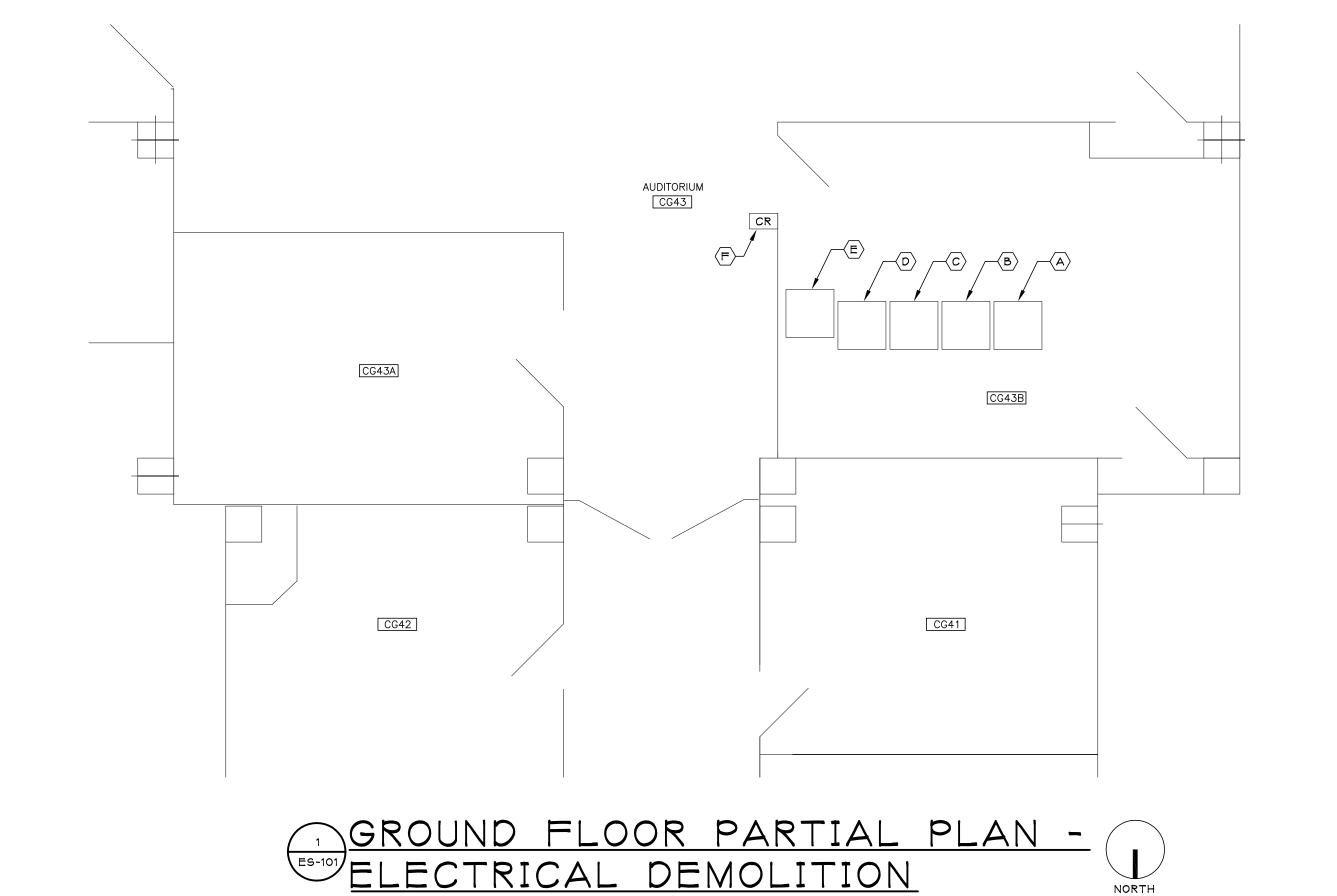
Project Number

528A7-11-707

DWG 4 OF 14







KEYED RENOVATION NOTES (FOR THIS DRAWING ONLY):

- PROVIDE FOUR WAY SPLITTER FOR SCI BUILDING MATV CABLE DISTRIBUTION. MOUNT SPLITTER ABOVE ROOM CG43B ACCESSIBLE CEILING. RECONNECT EXISTING RG-6 CABLING (FOUR RG-6 CABLES) TO SPLITTER AS REQUIRED. TO MAINTAIN DRAWING CLARITY, EXISTING RG-6 CABLING HAS NOT BEEN SHOWN. REFER TO DRAWING ES-503 FOR ADDITIONAL INFORMATION.
- PROVIDE RG-11 COAXIAL CABLING FOR SCI BUILDING CABLE DISTRIBUTION.
 COORDINATE CABLING TERMINATION (ROOM CG43B) WITH VA COR. REFER TO MATV
 SYSTEM ONE-LINE DIAGRAM SCI BUILDING (RENOVATION) FOR ADDITIONAL
- PROVIDE RG-11 COAXIAL CABLING UP TO MATV SYSTEM HEAD-END EQUIPMENT LOCATED ON NINTH FLOOR. UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO 9TH FLOOR. REFER TO DRAWING ES-103 FOR CONTINUATION OF CABLING. REFER TO MATV SYSTEM ONE-LINE DIAGRAM SCI BUILDING (RENOVATION)
- FOR ADDITIONAL INFORMATION.

 (4) MODIFY EXISTING VA CHAPEL CCTV SYSTEM FEED (CABLING) AS REQUIRED FOR EXTENSION TO MATV HEAD-END EQUIPMENT LOCATED ON 9TH FLOOR. PROVIDE NECESSARY JUNCTION BOXES, RACEWAYS, WIRING, CONNECTORS, ETC. AS REQUIRED TO EXTEND CABLING TO 9TH FLOOR. COORDINATE WORK WITH VA COR. PROVIDE WIRING IN ACCORDANCE WITH VA CHAPEL CCTV SYSTEM MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.
- PROVIDE CABLING UP TO MATV SYSTEM HEAD-END EQUIPMENT LOCATED ON NINTH FLOOR. UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO 9TH FLOOR. REFER TO DRAWING ES-103 FOR CONTINUATION OF CABLING. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE DOOR LOCKSET, FOR EXISTING DOOR, PER VA STANDARDS. VERIFY EXACT LOCKSET REQUIREMENTS WITH VA COR.

EXISTING MATY SYSTEM HEAD-END EQUIPMENT NOTES:

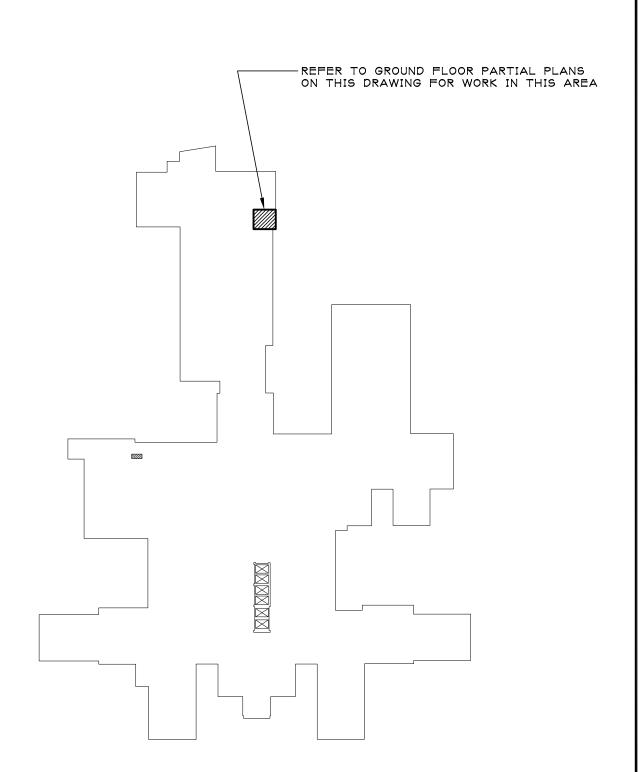
- A. THE FOLLOWING EXISTING MATV SYSTEM HEADEND EQUIPMENT EQUIPMENT SHALL REMOVED FROM EXISTING RACKS #2, #3 & #4 AND RETAINED FOR REINSTALLATION: FOURTEEN (14) DISH NETWORK SATELLITE RECEIVERS (THESE RECEIVERS ARE USE FOR THE DISH NETWORK CHANNELS), THREE (3) SCIENTIFIC ATLANTIC POWER VU SATELLITE RECEIVERS (THESE RECEIVERS ARE USE FOR THE VA EDUCATIONAL NETWORK CHANNELS), ONE (1) CISCO SERVER, ONE (1) LANSCAPE NETWORK SWITCH (SIECOR), ONE (1) ELIMINATION FILTER (PICO MACOM), ONE (1) FIXED CHANNEL MODULATOR (DRACOM), ONE (1) BROADCAST VIDEO SERVER (HEALING HEALTHCARE SYSTEM), AND SATELLITE MULTI-SWITCHES (DISH NETWORK AND VA EDUCATIONAL NETWORK).
- B. REFER TO DRAWING ES-506 FOR REINSTALLATION REQUIREMENTS REGARDING THE ABOVE EXISTING

KEYED DEMOLITION NOTES (FOR THIS DRAWING ONLY):

CONTACTS, ETC.).

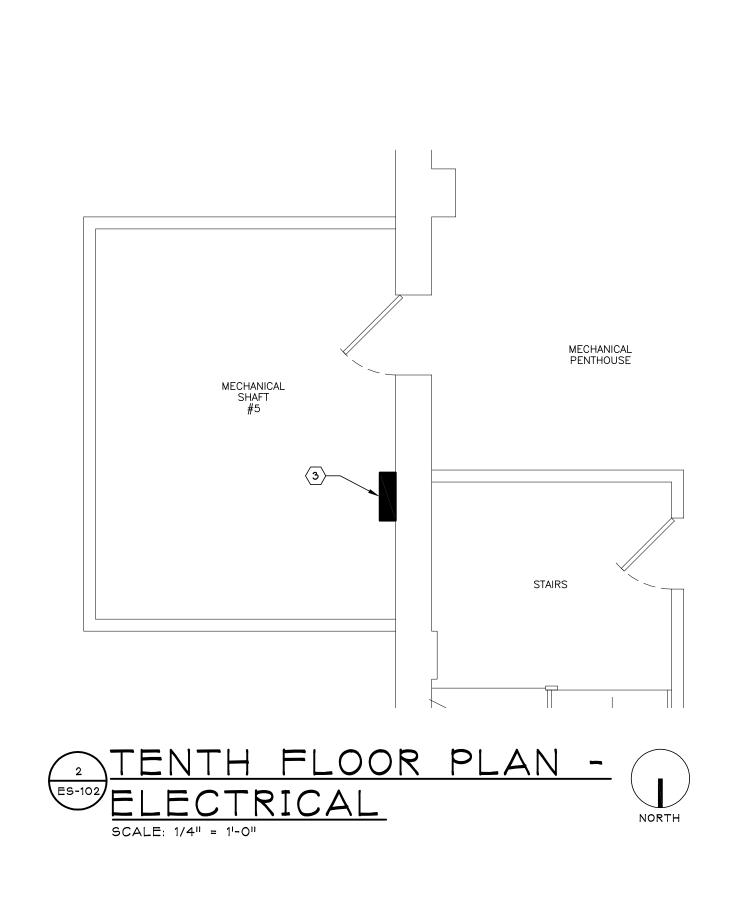
- A REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #1.
- B REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #2, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLING. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLING DEMOLITION INFORMATION.
- C REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #3, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLING. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLING DEMOLITION INFORMATION.
- REMOVE EXISTING MATV SYSTEM EQUIPMENT RACK #4, EXISTING MATV SYSTEM COMPONENTS AND ASSOCIATED PATCH CABLING. REFER TO EXISTING MATV SYSTEM HEAD-END EQUIPMENT NOTES ON THIS DRAWING FOR ADDITIONAL DEMOLITION INFORMATION. REFER TO DRAWINGS ES-501 & ES-503 FOR ADDITIONAL CABLING DEMOLITION INFORMATION.
- E REMOVE EXISTING MATY SYSTEM EQUIPMENT RACK #5.

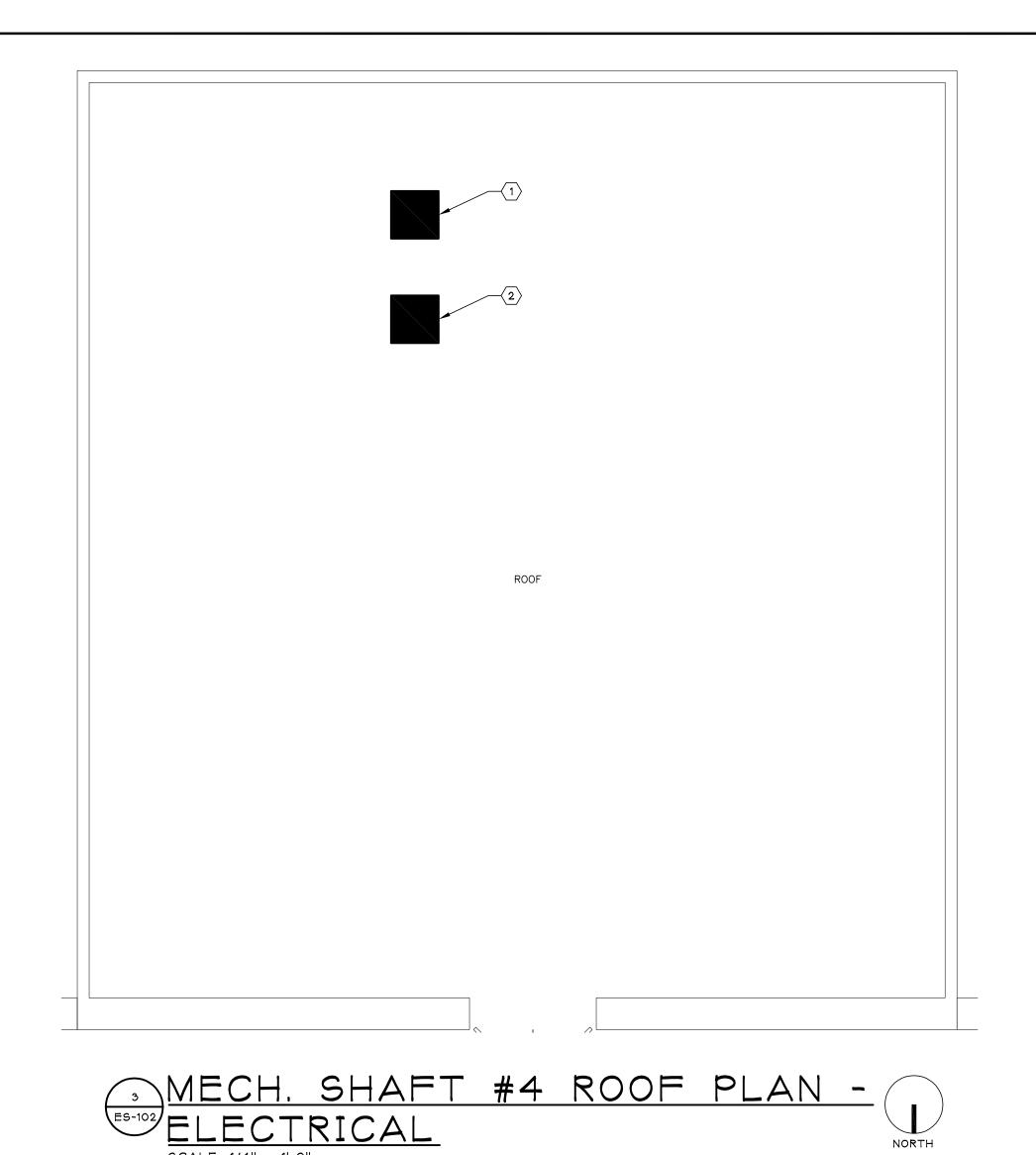
 F REMOVE EXISTING CARD READER AND RETAIN FOR REINSTALLATION. REMOVE EXISTING DOOR HARDWARE ASSOCIATED WITH DOOR ACCESS CONTROL SYSTEM COMPONENTS (POWER SUPPLY, ELECTRIC STRIKE, REQUEST-TO-EXIT DEVICES,

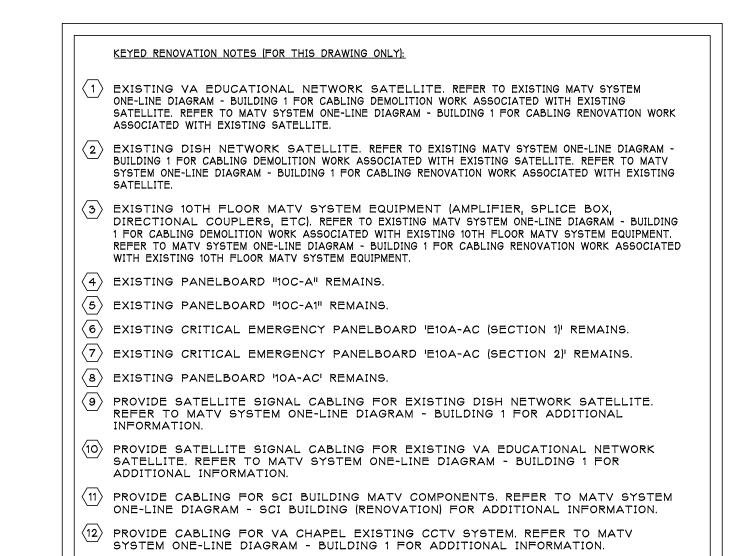


GROUND FLOOR KEY PLAN

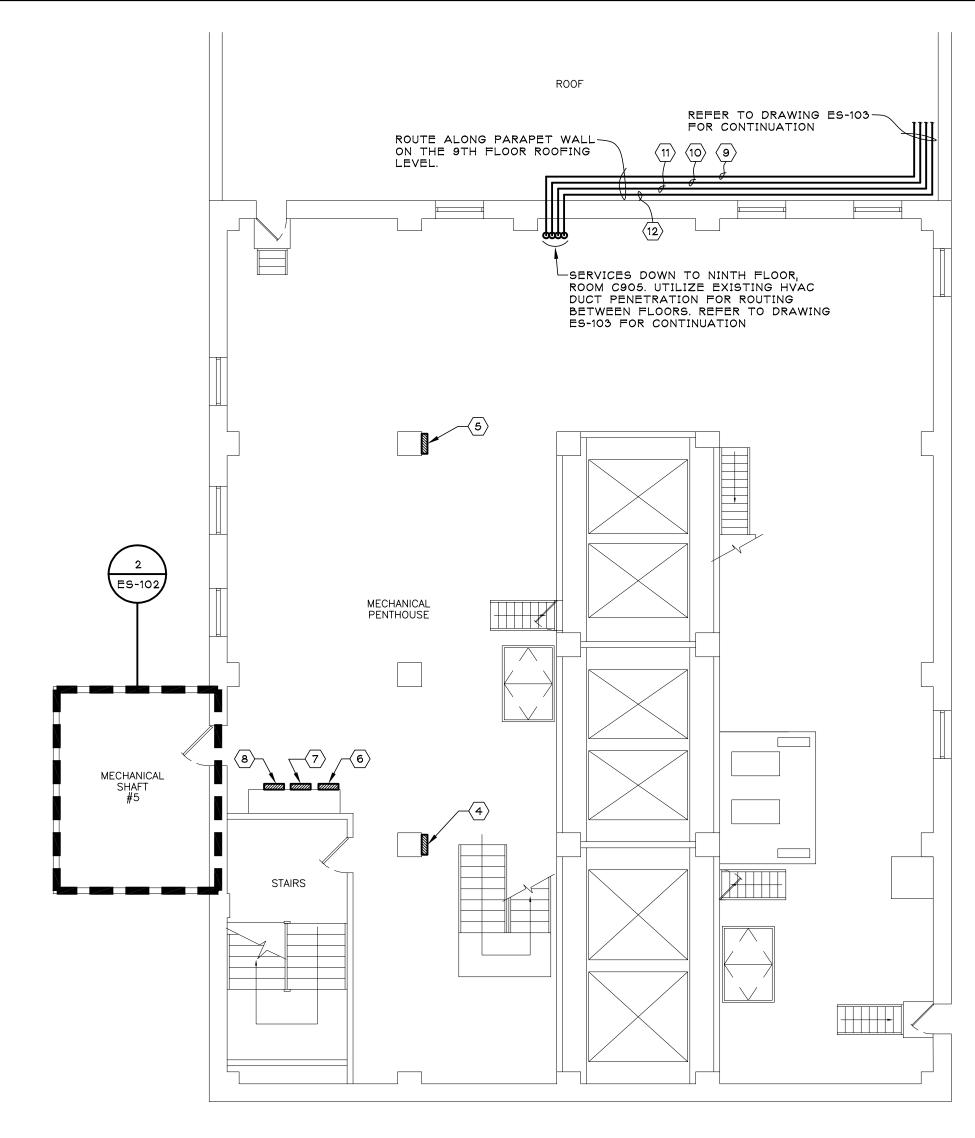
CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title	Project Title	Project Number	
CONSULTANTS.	ARCHITECT/ENGINEERS.	GROUND FLOOR	RELOCATE AND UPGRADE	528A7-11-707	JHCAREN
		SROUND FLOOR ELECTRICAL PLANS		Building Number	
	IPD: Engineering			1	3 / 3
	INTEGRATED PROJECT DELIVERY	Approved: Project Director	Location	Drawing Number	= *\ <i>-</i> \
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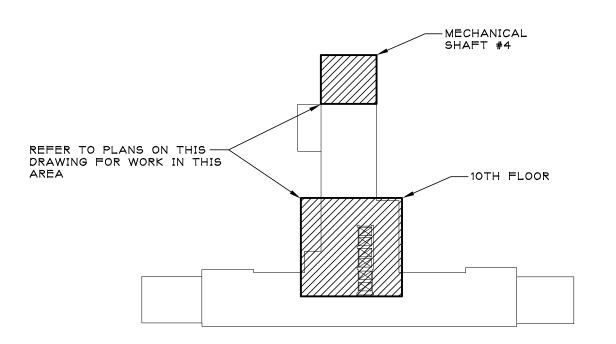




SCALE: 1/4" = 1'-0"



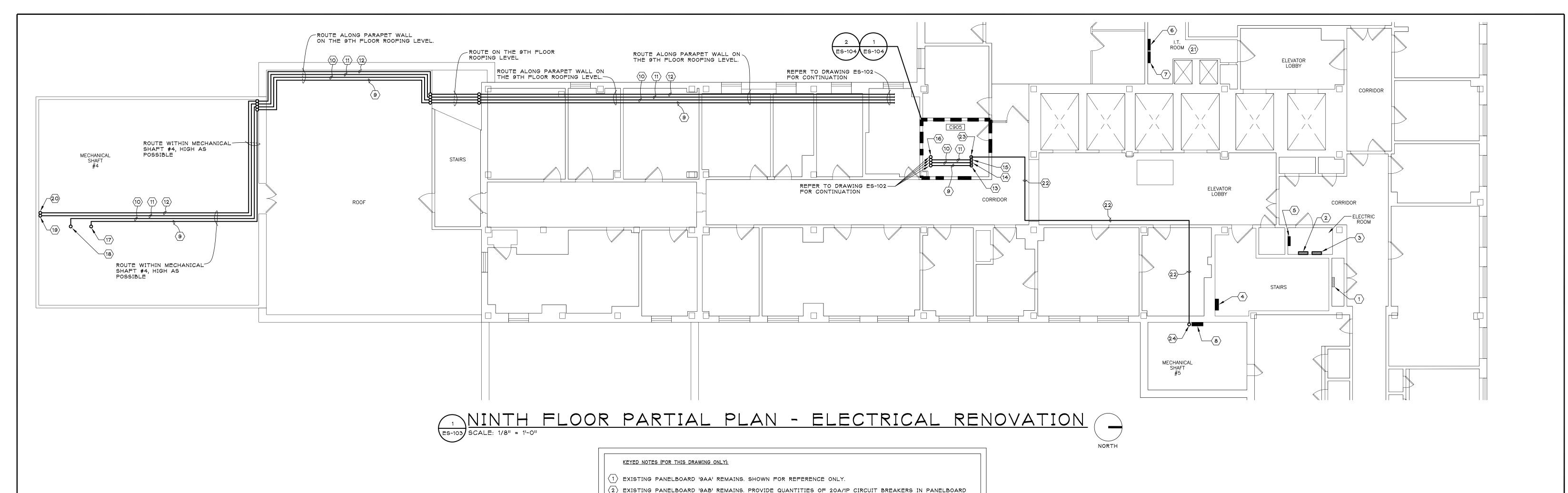




TENTH FLOOR KEY PLAN

SCALE: NONE

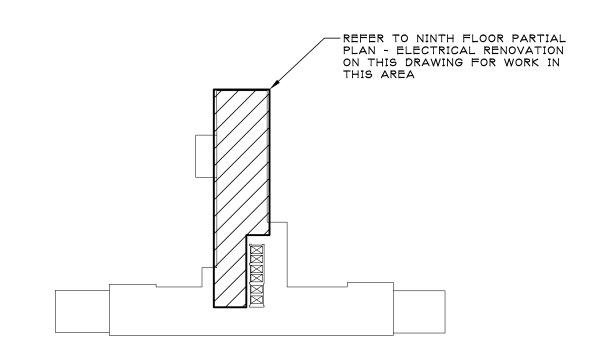
CONCILI TANTO	ARCHITECT/ENGINEERS:	Drawing Title	Project Title	Project Number	
CONSULTANTS:	ARCHITECT/ENGINEERS.	TENTH FLOOR	& ROOF RELOCATE AND UPGRADE	528A7-11-707	NHC.
		ELECTRICAL		Building Number	
	IPD: Engineering			1	\Z
	INTEGRATED PROJECT DELIVERY	Approved: Project Director	Location	Drawing Number	★\-
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	315.423.0185	OF THE STATE OF	Date Checked Drawn	5-102	- SAN
	IPD PROJECT No: 12-7260-8		11/08/2012 SBG CAL	L DWG 6 OF 14	



- EXISTING PANELBOARD '9AB' REMAINS. PROVIDE QUANTITIES OF 20A/1P CIRCUIT BREAKERS IN PANELBOARD AS REQUIRED TO FULFILL PROJECT REQUIREMENTS.
- | <3 EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA' REMAINS. PROVIDE QUANTITIES OF 20A/1P CIRCUIT BREAKERS IN EMERGENCY PANELBOARD AS REQUIRED TO FULFILL PROJECT REQUIREMENTS.
- 4 EXISTING 9TH FLOOR 'EST' FIRE ALARM PANEL REMAINS. SHOWN FOR REFERENCE ONLY.
- (4) EXISTING 9TH FLOOR EST FIRE ALARM PANEL REMAINS
 (5) EXISTING 9TH FLOOR DOOR ACCESS CONTROL PANEL.
- 6 EXISTING 9TH FLOOR INTERMEDIATE DATA DISTRIBUTION FRAME.
- $\overline{\langle 7 \rangle}$ existing 9th floor intermediate telephone distribution frame.
- (8) EXISTING 9TH FLOOR MATV SYSTEM DIRECTIONAL COUPLER REMAINS. SHOWN FOR REFERENCE ONLY.
- 9 PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING DISH NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SATELLITE SIGNAL CABLING FOR EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR SCI BUILDING MATY COMPONENTS. REFER TO MATY SYSTEM ONE-LINE DIAGRAM SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
- PROVIDE CABLING FOR VA CHAPEL EXISTING CCTV SYSTEM. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE DISH NETWORK SATELLITE SIGNAL CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM -
- BUILDING 1 FOR ADDITIONAL INFORMATION.

 (14) PROVIDE VA EDUCATIONAL NETWORK SATELLITE SIGNAL CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING E9-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE
- DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.

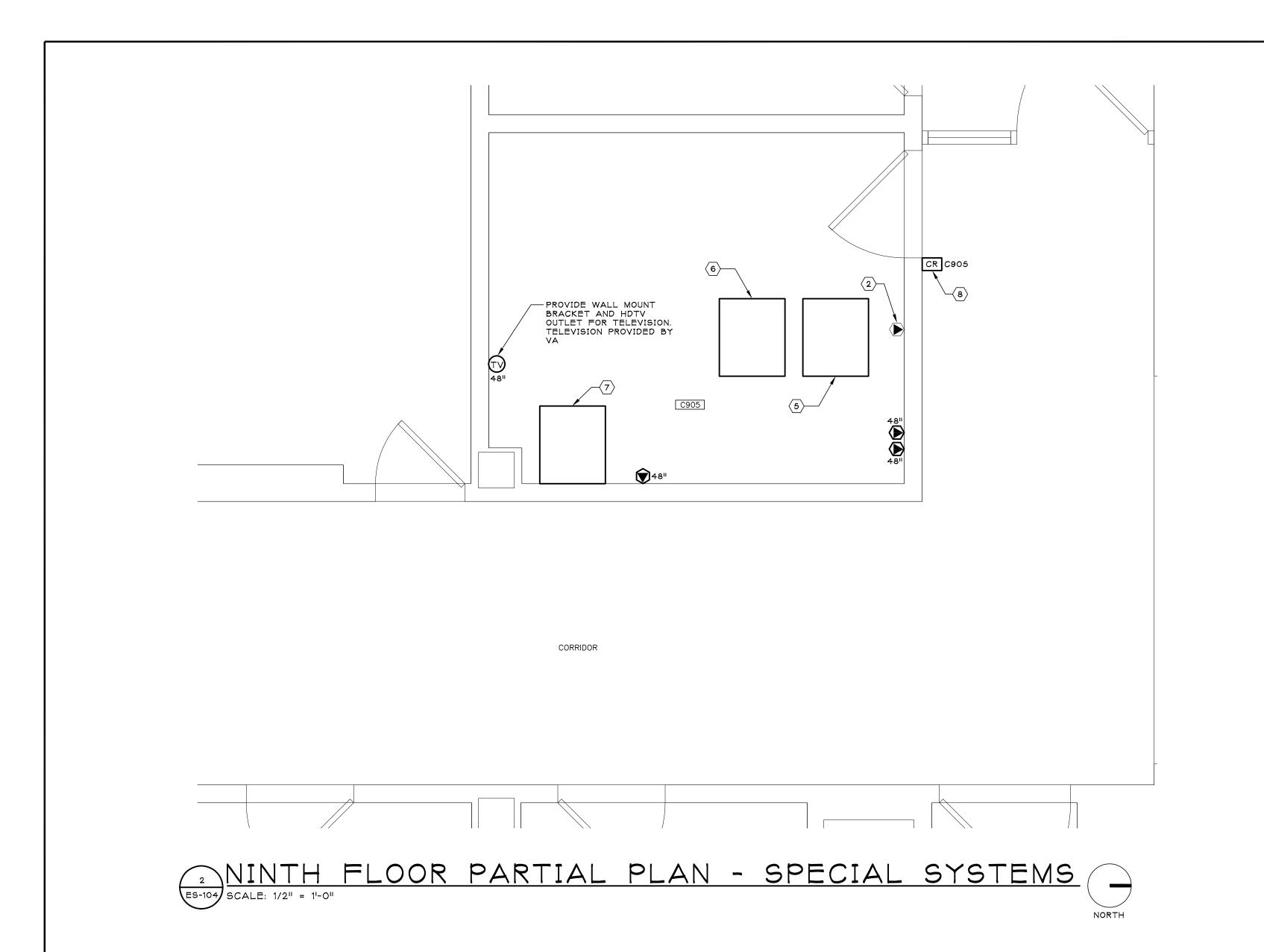
 PROVIDE SCI BUILDING CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM SCI BUILDING (RENOVATION) FOR ADDITIONAL INFORMATION.
- PROVIDE VA CHAPEL CCTV SYSTEM CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE DISH NETWORK SATELLITE SIGNAL CABLING UP TO EXISTING DISH NETWORK SATELLITE LOCATED ON ROOF (MECHANICAL SHAFT #4). UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO ROOF. REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING DISH NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE VA EDUCATIONAL NETWORK SATELLITE SIGNAL CABLING UP TO EXISTING VA EDUCATIONAL NETWORK SATELLITE LOCATED ON ROOF (MECHANICAL SHAFT #4). UTILIZE EXISTING MECHANICAL SHAFT #4 FOR ROUTING OF CABLING UP TO ROOF. REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING VA EDUCATIONAL NETWORK SATELLITE. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE SCI BUILDING CABLING DOWN TO GROUND FLOOR (ROOM CG43B). REFER TO DRAWING ES-101 FOR
- PROVIDE VA CHAPEL CCTV SYSTEM CABLING DOWN TO GROUND FLOOR (ROOM CG43B). REFER TO DRAWING ES-101 FOR CONTINUATION.
- 21) UTILIZE TELECOMMUNICATION GROUNDING EQUIPMENT WITH I.T. ROOM FOR MATV SYSTEM GROUNDING.
 22) PROVIDE CABLING FOR BUILDING #1 MATV COMPONENTS. REFER TO MATV SYSTEM ONE-LINE DIAGRAM -
- BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE BUILDING 1 CABLING TO MATV SYSTEM HEAD-END EQUIPMENT. REFER TO DRAWING ES-104 FOR LOCATION OF HEAD-END EQUIPMENT. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.
- PROVIDE BUILDING 1 CABLING UP TO EXISTING MATV SYSTEM SPLICE BOX LOCATED ON TENTH FLOOR (MECHANICAL SHAFT #5). REFER TO DRAWING ES-102 FOR LOCATION OF EXISTING SPLICE BOX. REFER TO MATV SYSTEM ONE-LINE DIAGRAM BUILDING 1 FOR ADDITIONAL INFORMATION.



NINTH FLOOR KEY PLAN



CONSULTANTS:	ARCHITECT/ENGINEERS:	PONFESSION	Drawing Title NINTH FLOOR	Project Title RELOCATE AND UPGRADE	Project Number 528A7-11-707	LTHCARE No.
	IPD: Engineering	EL J. COS AL	ELECTRICAL RENOVATION PLAN	MATV HEADEND	Building Number	Z Z
	INTEGRATED PROJECT DELIVERY ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185	10.08552h	Approved: Project Director	Location SYRACUSE VAMC	Drawing Number	⊀ ∥
	IPD PROJECT No: 12-7260-8	THE STATE OF		Date Checked Drawn 11/08/2012 SBG CAL	- DWG 7 OF 14	∥ ⊞ ,\€ NEM



NINTH FLOOR PARTIAL PLAN - LIGHTING AND POWER

GENERAL NOTE (FOR THIS DRAWING ONLY):

A. REFER TO DRAWING ES-103 FOR LOCATION OF EXISTING TELECOMMUNICATION EQUIPMENT, DOOR ACCESS EQUIPMENT, AND EXISTING PANELBOARDS E9AA & 9AB.

KEYED NOTES (FOR THIS DRAWING ONLY):

1 EXISTING LIGHT SWITCH AND DUPLEX RECPETACLE REMAINS. SHOWN FOR REFERENCE

(2) EXISTING TELECOMMUNICATION OULTET REMAINS. SHOWN FOR REFERENCE ONLY.

EXISTING LIGHT FIXTURE REMAINS. SHOWN FOR REFERENCE ONLY.

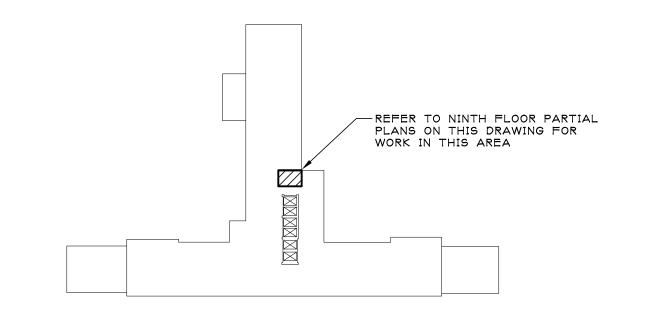
(4) EXISTING LIFE SAFETY EMERGENCY PANELBOARD 'ELS9A-A' REMAINS. SHOWN FOR REFERENCE ONLY.

PROVIDE FLOOR MOUNTED MATV SYSTEM HEAD-END EQUIPMENT RACK #1 AND ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD '9AB'.

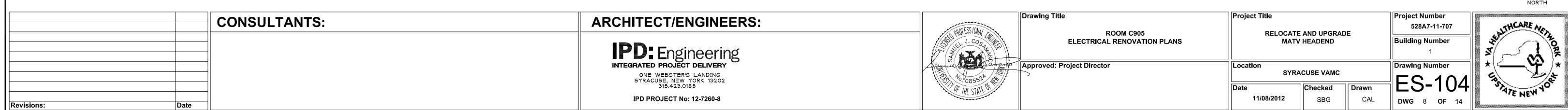
PROVIDE FLOOR MOUNTED MATV SYSTEM HEAD-END EQUIPMENT RACK #2 AND ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING PANELBOARD '9AB'.

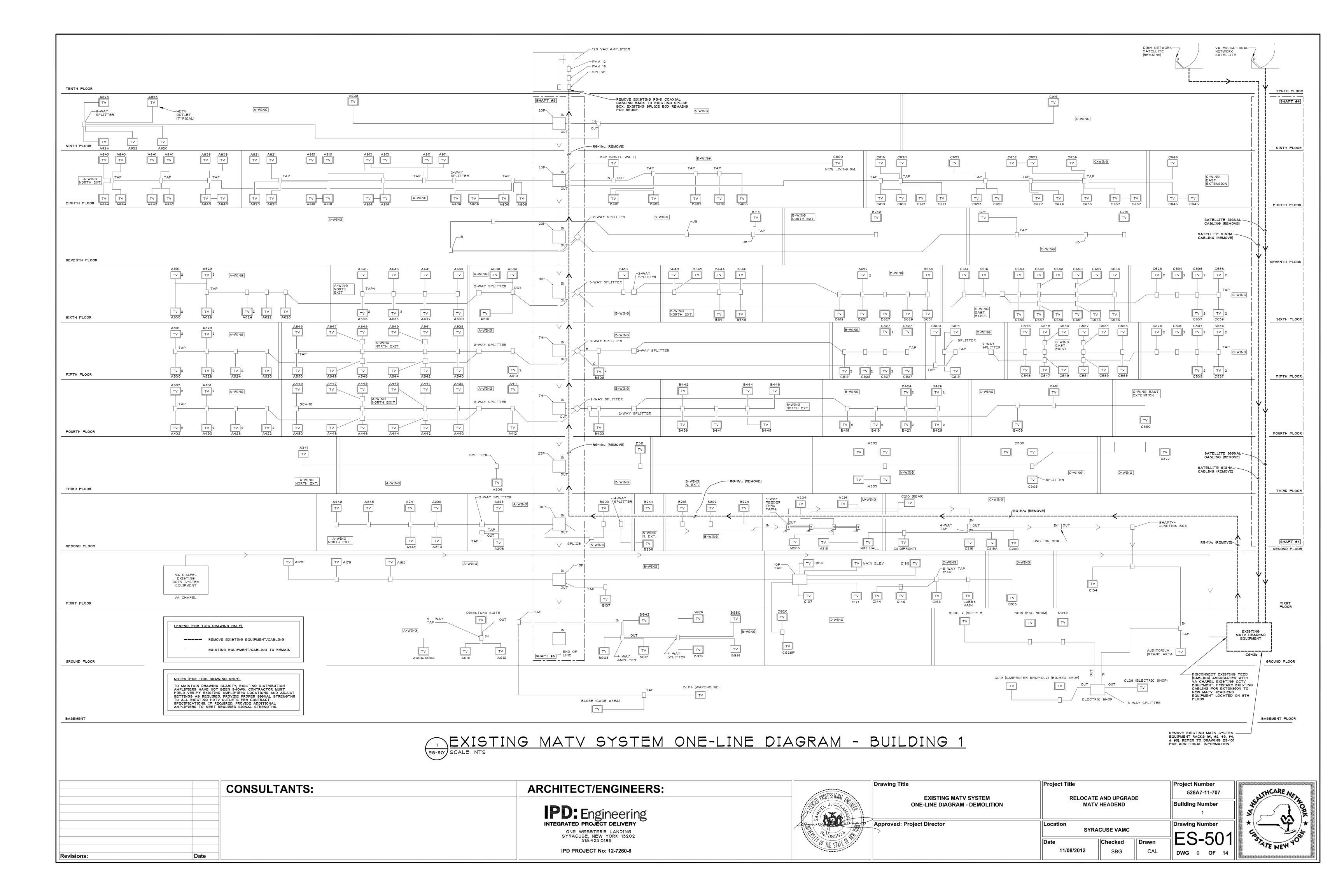
INSTALL MATV SYSTEM HEAD-END EQUIPMENT RACK #3 AND PROVIDE ASSOCIATED HEAD-END COMPONENTS. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - EM POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING CRITICAL EMERGENCY PANELBOARD 'E9AA'. CIRCUIT (2-#12 + #12 GND IN ¾"C) EQUIPMENT RACK POWER SUPPLY (UPS - NORMAL POWER) TO ONE 20A/1P CIRCUIT BREAKER IN EXISTING

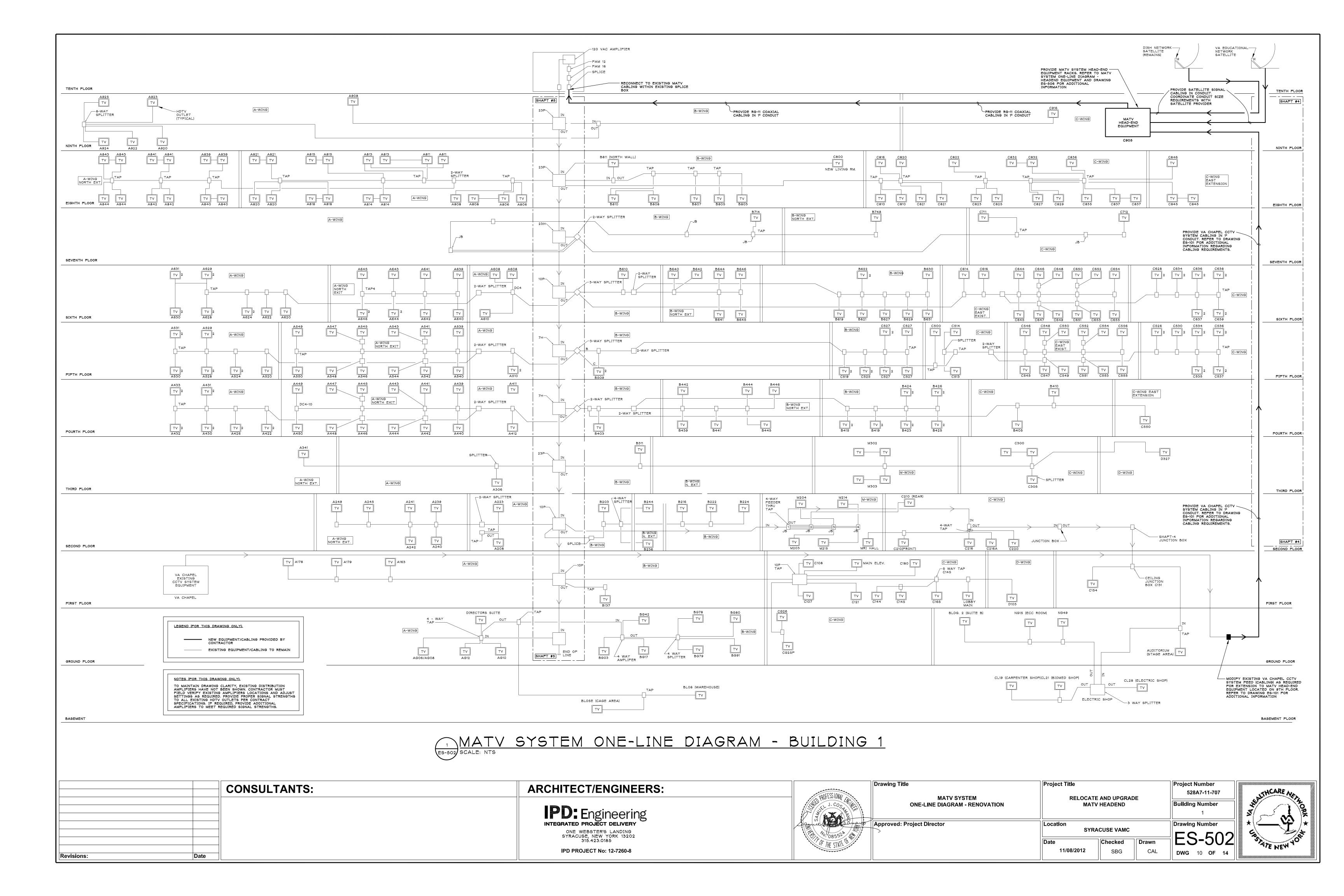
- REINSTALL EXISTING CARD READER. REFER TO ELECTRONIC PHYSICAL ACCESS CONTROL SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION.
- $raket{9}$ remove existing fan coil unit associated circuitry.
- (10) REMOVE EXISTING EXHAUST FAN ASSOCIATED CIRCUITRY.

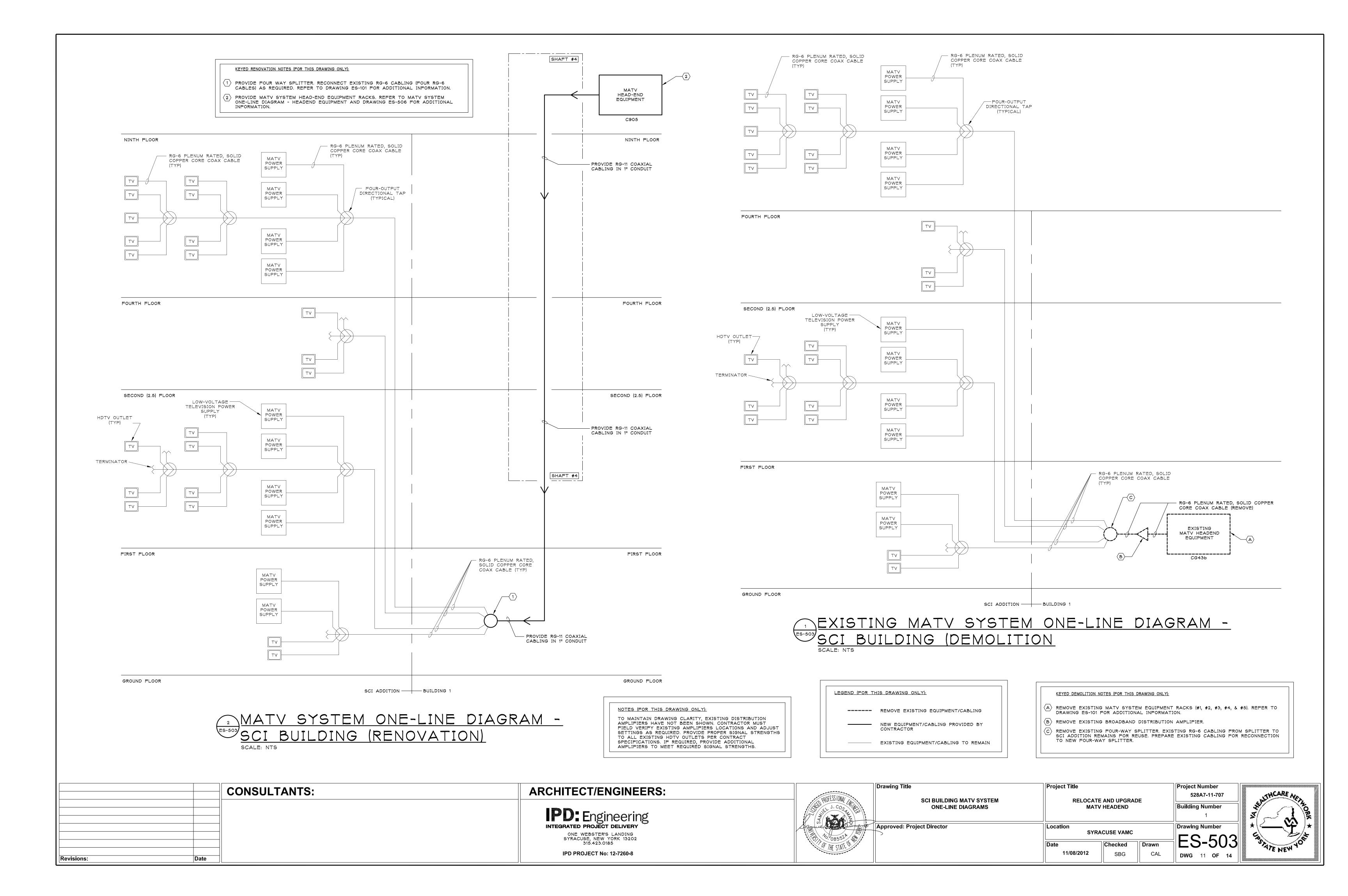


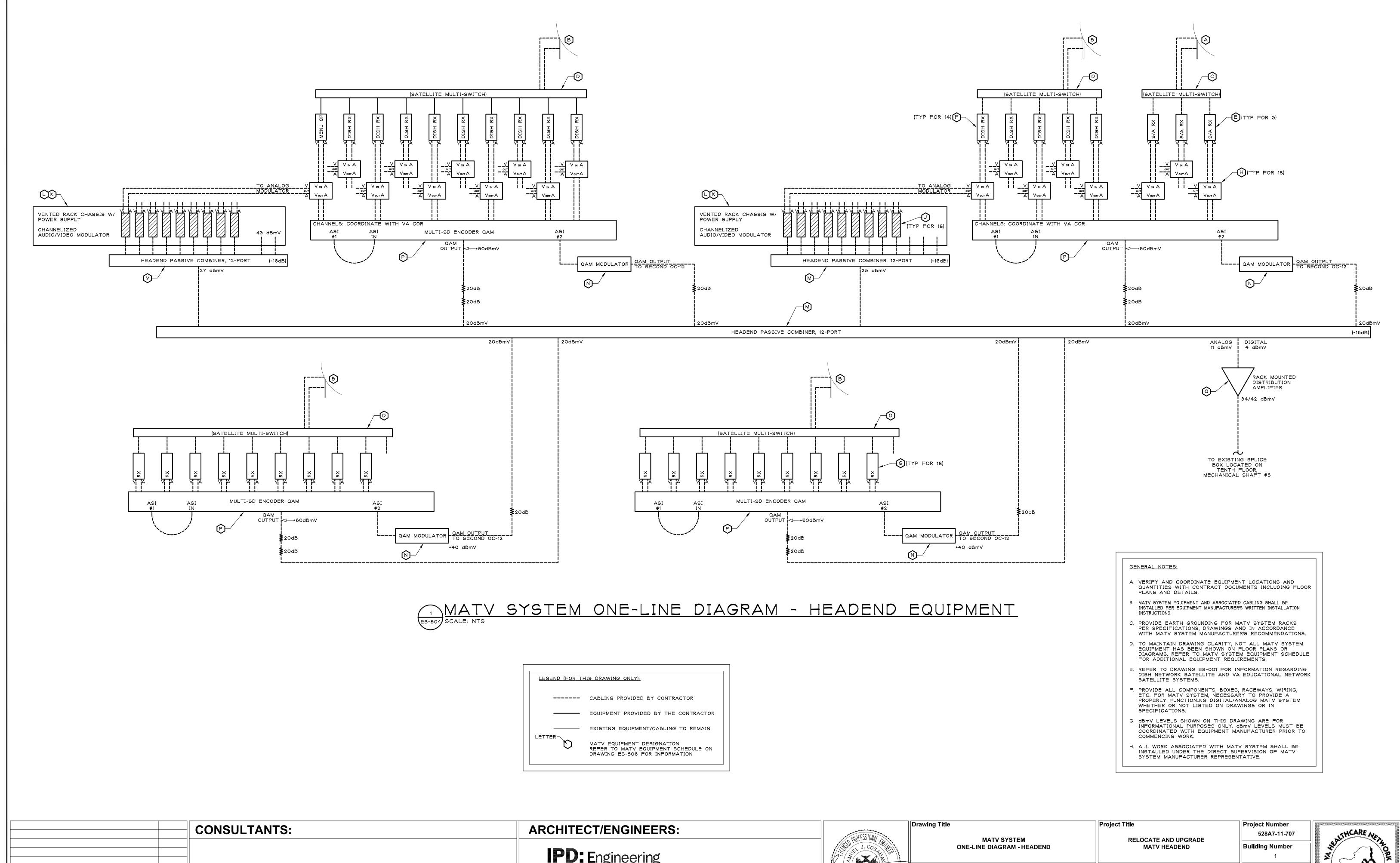
NINTH FLOOR KEY PLAN SCALE: NONE











ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185

IPD PROJECT No: 12-7260-8

Approved: Project Director



Drawing Number

Location

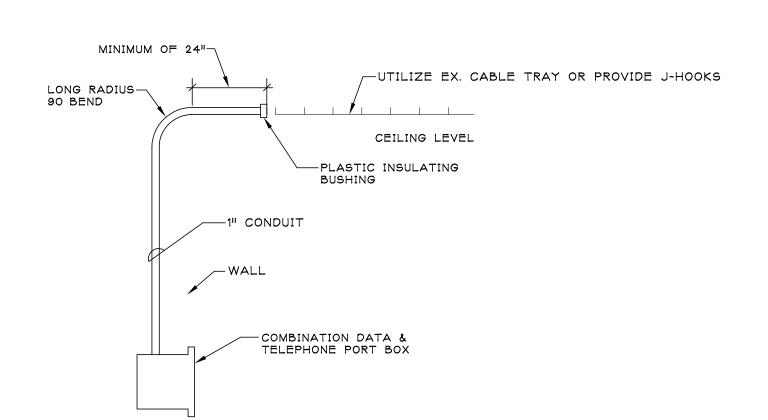
11/08/2012

SYRACUSE VAMC

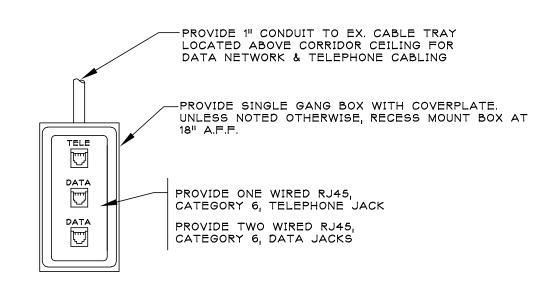
Checked

SBG

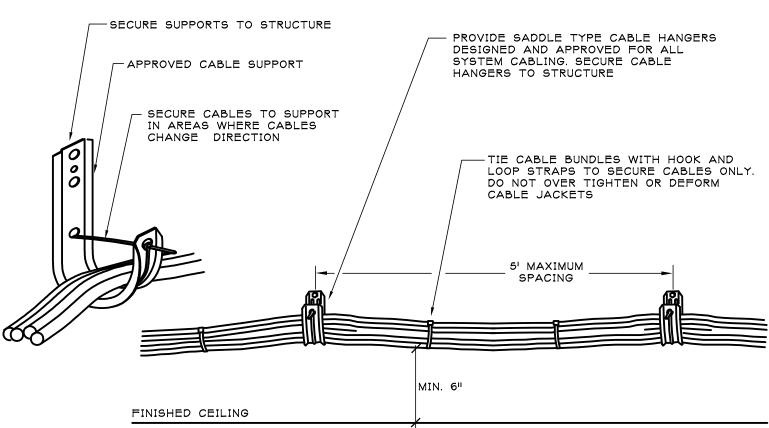
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TYPICAL COMBINATION DATA & TELEPHONE PORT CONDUIT DETAIL SCALE: NONE

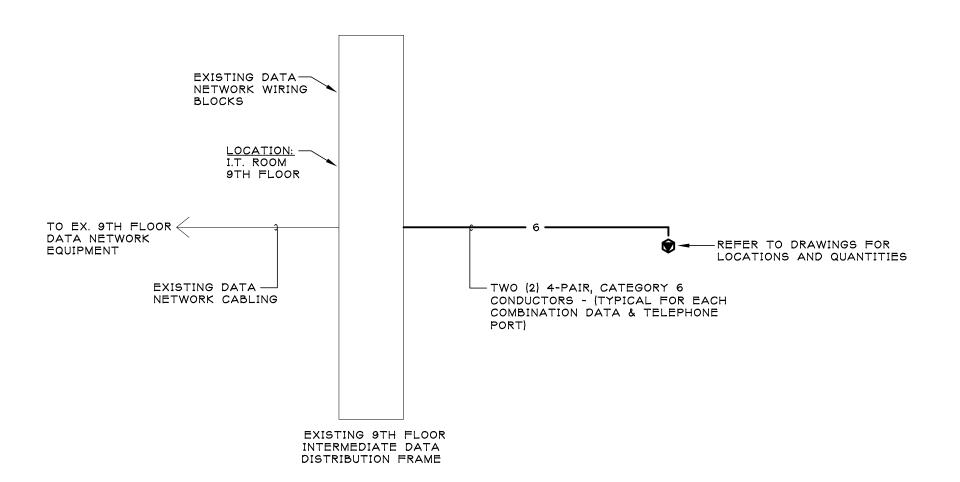


TYPICAL COMBINATION DATA & TELEPHONE PORT DETAIL SCALE: NONE



GENERAL NOTES (FOR TYPICAL J-JOOK INSTALLATION DETAIL ONLY):

- A. LOCATE CABLE BUNDLES A MINIMUM OF 6" ABOVE ACCESSIBLE CEILINGS TO MAINTAIN CLEARANCE ALONG WALLS WHERE POSSIBLE. LOCATE IN AREAS THAT ARE ACCESSIBLE.
- B. USE 2 OR MORE CABLE HANGERS AT ALL TURNS TO MAINTAIN MANUFACTURER'S BEND RADIUS REQUIREMENTS.
- C. REFER TO SPECIFICATIONS FOR ADDITIONAL CABLE INSTALLATION REQUIREMENTS.

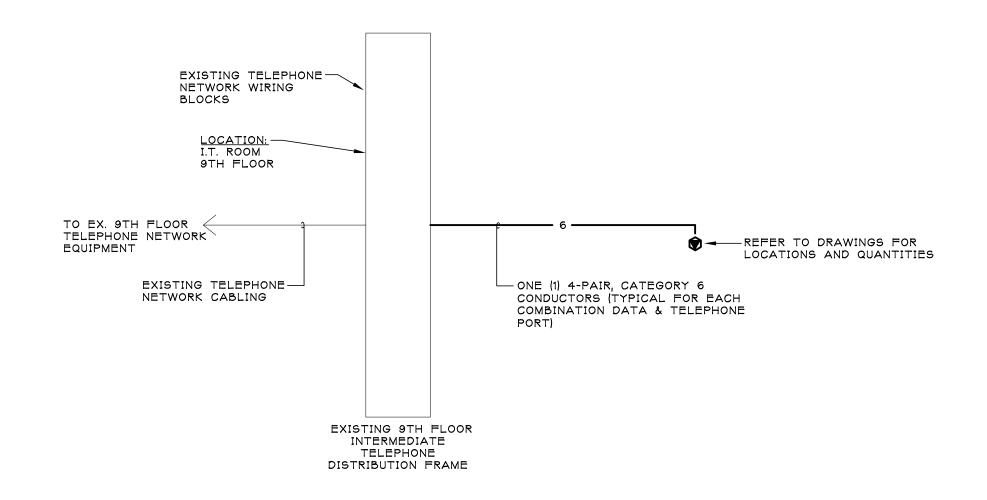


DATA RISER DIAGRAM SCALE: NONE

KEY TO SYMBOLS (FOR DATA RISER DIAGRAM ONLY) -----6----- 4-PAIR, CATEGORY 6 CONDUCTORS TYPICAL COMBINATION DATA & TELEPHONE PORT (TWO DATA JACKS PER PORT) EXISTING EQUIPMENT TO REMAIN

DATA SYSTEM SCOPE OF WORK

- PRIOR TO COMMENCING WORK, COORDINATE WITH VA TELECOMMUNICATION PERSONNEL.
- 2. PROVIDE GROUNDING AS REQUIRED.
- 3. PROVIDE RACEWAYS, BOXES, J-HOOKS, ETC. AS REQUIRED. 4. PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO DATA JACKS AS INDICATED.
- 5. PROVIDE COMBINATION DATA & TELEPHONE PORTS (DATA JACKS) AS INDICATED.
- 6. PROVIDE TERMINATIONS, TESTING AND LABELING IN COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.



SCALE: NONE

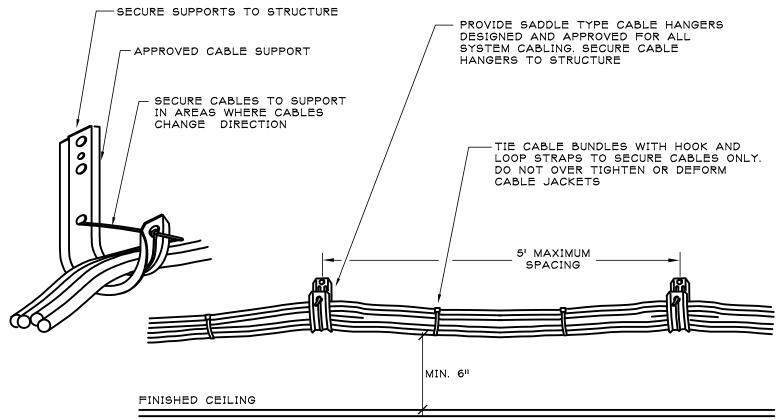
KEY TO SYMBOLS (FOR TELEPHONE RISER DIAGRAM ONLY)

TYPICAL COMBINATION DATA & TELEPHONE PORT (ONE TELEPHONE JACK PER PORT)

EXISTING EQUIPMENT TO REMAIN

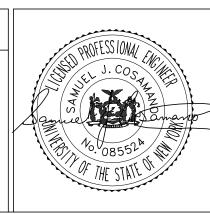
TELEPHONE SYSTEM SCOPE OF WORK

- PRIOR TO COMMENCING WORK, COORDINATE WITH VA
- TELECOMMUNICATION PERSONNEL. 2. PROVIDE GROUNDING AS REQUIRED.
- 3. PROVIDE RACEWAYS, BOXES, J-HOOKS, ETC. AS REQUIRED.
- 4. PROVIDE 4-PAIR, CATEGORY 6 CONDUCTORS TO TELEPHONE JACKS AS INDICATED.
- 5. PROVIDE COMBINATION DATA & TELEPHONE PORTS (TELEPHONE JACKS) AS INDICATED.
- 6. PROVIDE TERMINATIONS, TESTING AND LABELING IN
- COMPLIANCE WITH VA TELECOMMUNICATION STANDARDS.



TYPICAL J-HOOK INSTALLATION DETAIL SCALE: NONE

CONSULTANTS: ARCHITECT/ENGINEERS: ONE WEBSTER'S LANDING SYRACUSE, NEW YORK 13202 315.423.0185 IPD PROJECT No: 12-7260-8



Drawing Title ELECTRICAL DETAILS & DIAGRAMS Approved: Project Director

Project Title **RELOCATE AND UPGRADE** MATV HEADEND

SYRACUSE VAMC

Checked

SBG

CAL

Location

11/08/2012

Project Number 528A7-11-707 **Drawing Number**



					ELEC	CTRIC	CAL E	EQUIPMEN ⁻	T & CONT	ROL	SCHI	EDUL	.Е							
EQUIPMENT				SUPPLY					CONTROL DEVICE(S)											
				~		o∠	07 II OI.	9 U L 7		CONTROLLER DEVICE TYPE REQUIRED & LOCATIONS						NS	LES _			
DESIGNATION #	DESCRIPTION	ROOM LOCATION	SIZE	VOLTAGE/PHASE	PANEL OR CONTROL CENTER	CIRCUIT NUMBER	CIRCUIT BREAKER	MER WIRII POWER WIRII PROM FROM PROM CONTROL DEV	POWER WIRING PROM CONTROL DEVICI TO EQUIPMENT	GROUND WIRE (SIZE PER NEC	PACKAGED CONTROL UNIT	VARIABLE FREQUENCY DRIVE	COMBINATION MAGNETIC STARTER	MAGNETIC STARTER	MANUAL MOTOR STARTER		DISCONNECT SWITCH (NON-FUSED)	MOTOR RATED DISCONNECT SWITCH	CONTROL DEVICE(S) INSTALLATION LOCATION	REFERENCE NOTI
1	FAN COIL UNIT FCU-1	RM C905	6.97 MCA	120/1	EX. E9AA	ı	20A/1P	2-#12 3/4"	2-#12 3/4"	#12					×				AT UNIT	-

GENERAL NOTES (FOR ELECTRICAL EQUIPMENT & CONTROL SCHEDULE ONLY):

A. DESIGNATION NUMBER IS USED TO IDENTIFY EQUIPMENT & ASSOCIATED CONTROL DEVICES.

B. VERIFY ALL MOTOR SIZES BEFORE ORDERING ANY CONTROL DEVICES.

C. ALL CONTROL DEVICES ARE PROVIDED BY CONTRACTOR UNLESS OTHERWISE NOTED.

D. VERIFY FEEDER SIZES FOR VOLTAGE DROP IN ACCORDANCE WITH NEC REQUIREMENTS BASED ON ACTUAL ROUTING DISTANCES IN FIELD. INCREASE WIRE AND CONDUIT SIZE AS REQUIRED.

			01/07=1/1 = 01/191		_
0214001	DECODINE ON		SYSTEM EQUIPN		
SYMBOL A	DESCRIPTION EXISTING VA EDUCATIONAL NETWORK SATELLITE	MOUNTING MECHANICAL SHAFT #4 ROOF (EXISTING)		ACCEPT. MFR'S.	REMARKS REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
B	EXISTING DISH NETWORK SATELLITE	MECHANICAL SHAFT #4 ROOF (EXISTING)	-	-	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
©	VA EDUCATIONAL NETWORK SATELLITE SWITCH	EQUIPMENT RACK #1	-	UTILIZE EXISTING	REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
©	DISH NETWORK SATELLITE SWITCH	EQUIPMENT RACK #1	-	UTILIZE EXISTING	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
Ē	VA EDUCATIONAL NETWORK DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #1	SCIENTIFIC ATLANTICA POWER VU	UTILIZE EXISTING	REFER TO VA EDUCATIONAL NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
₽	DISH NETWORK DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #1	DISH NETWORK	UTILIZE EXISTING	REFER TO DISH NETWORK SATELLITE SYSTEM NOTES ON DRAWING ES-001 FOR ADDITIONAL INFORMATION
©	FUTURE DIGITAL SATELLITE RECEIVER	EQUIPMENT RACK #2	-	-	PROVIDE RACK SPACE IN EQUIPMENT RACK #2 FOR MINIMUM OF 18 FUTURE DIGITAL SATELLITE RECEIVERS
Œ	A/V AMPLIFIER SPLITTER	EQUIPMENT RACK #1	BLONDER TONGUE	ENGINEER APPROVED EQUAL	PROVIDE A/V AMPLIFIER SPLITTER IN ACCORDANCE WITH MATV SYSTEM MANUFACTURER'S WRITTEN RECOMMENDATIONS
©	CHANNELIZED AUDIO/VIDEO MODULATOR	EQUIPMENT RACK #1	BLONDER TONGUE MICM-45C	ENGINEER APPROVED EQUAL	PROVIDE POWER SUPPLY AND CHASSIS. REFER TO SYMBOL K & L IN THIS SCHEDULE
(K)	POWER SUPPLY	EQUIPMENT RACK #1	BLONDER TONGUE MIPS-12D	ENGINEER APPROVED EQUAL	-
(<u>L</u>	VENTED RACK CHASSIS	EQUIPMENT RACK #1	BLONDER TONGUE MIRC-12V	ENGINEER APPROVED EQUAL	-
⟨∑⟩	12-PORT HEADEND PASSIVE COMBINER	EQUIPMENT RACK #1	BLONDER TONGUE HCP-12	ENGINEER APPROVED EQUAL	-
⟨∑⟩	QAM MODULATOR	EQUIPMENT RACKS #1 & #2	BLONDER TONGUE AQM	ENGINEER APPROVED EQUAL	PROVIDE POWER SUPPLY AND CHASSIS. REFER TO SYMBOL K & L IN THIS SCHEDULE
P	MULTI-SD ENCODER QAM	EQUIPMENT RACKS #1 & #2	BLONDER TONGUE SD10E-QAM	ENGINEER APPROVED EQUAL	-
(a)	RACK MOUNTED DISTRIBUTION AMPLIFIER	EQUIPMENT RACK #1	BLONDER TONGUE RMDA 550-30	ENGINEER APPROVED EQUAL	

IN ADDITION TO THE EQUIPMENT LISTED ABOVE, PROVIDE THE FOLLOWING ADDITIONAL EQUIPMENT FOR MATV SYSTEM (OR ENGINEER APPROVED EQUALS):

- FIXED ATTENUATORS (BLONDER TONGUE PART #: FAM) PROVIDE QUANTITIES AS REQUIRED.

 INTUERSAL SATELLITE RECEIVER BACK (BLONDER TONGUE BART #: PR-6/9RX) PROVIDE
- UNIVERSAL SATELLITE RECEIVER RACK (BLONDER TONGUE PART #: RR-6/8RX) PROVIDE QUANTITIES AS REQUIRED.
- TWO (2) EQUIPMENT RACKS, BLACK, FOUR POST (BLONDER TONGUE PART #:RR-8419-4)
- UNINTERRUPTIBLE POWER SUPPLIES REFER TO SPECIFICATION SECTION 27 41 31 FOR UPS REQUIREMENTS.

MATY EQUIPMENT RACK #3 NOTES:

- A. THE FOLLOWING EXISTING MATV SYSTEM HEADEND EQUIPMENT EQUIPMENT SHALL REINSTALLED INTO EQUIPMENT RACK #3: ONE (1) CISCO SERVER, ONE (1) LANSCAPE NETWORK SWITCH (SIECOR), ONE (1) ELIMINATION FILTER (PICO MACOM), ONE (1) FIXED CHANNEL MODULATOR (DRACOM), ONE (1) BROADCAST VIDEO SERVER (HEALING HEALTHCARE SYSTEM).
- B. PROVIDE NECESSARY EQUIPMENT, COMBINERS, WIRING, CONNECTORS, ETC. AS REQUIRED TO CONNECT RACK #3 EQUIPMENT TO EQUIPMENT RACK #1 OUTPUT SIGNAL.
- C. MATV EQUIPMENT RACK #3 WILL BE FURNISHED BY VA, AND INSTALLED BY CONTRACTOR. COORDINATE WITH VA COR.
- D. COORDINATE REINSTALLATION OF THE ABOVE EQUIPMENT WITH VA COR.

CONSULTANTS:	ARCHITECT/ENGINEERS:	Drawing Title	Project Title	Project Number	
CONSULTANTS.	ARCHITECT/ENGINEERS.	PROFESSIONAL CHARACTER STATE OF THE PROPERTY O	DETAILS RELOCATE AND UPGRADE	528A7-11-707	JHCAREN
		& SCHED		Building Number	
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	INTEGRATED PROJECT DELIVERY	Approved: Project Director	Location	Drawing Number	- *\Z \
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Date	IPD PROJECT No: 12-7260-8	III SIMIL	11/08/2012 SBG	CAL DWG 14 OF 14	"E NE